



# Who is Who?

IN SCIENCE, TECHNOLOGY AND INNOVATION OF NEPAL



**Science for Society : Innovation for Prosperity**

**Nepal Academy of Science and Technology (NAST)**  
**Khumaltar, Lalitpur, Nepal**  
**2020**





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**2020**

**Published By:** *Nepal Academy of Science and Technology (NAST)*  
*Khumaltar, Lalitpur. Telephone: +977-1-5547717, 5547715. Fax: +977-1-5547713.*  
*Email: info@nast.org.np, whoiswho@nast.gov.np. Website: <https://nast.gov.np/>*

**Front Cover Image:** *NAST Building (Photo Credit: Pradip Dhodari).*

**Back Cover Image:** *NAST Science Research Building (Photo Credit: Dr. Bimala Devkota).*

**Printed at:** *Sunrise Printing Press, Buddhanagar, Kathmandu, Nepal. Phone No. +977-1-4796537.*

**Design & Layout:** *Rakesh Twanabasu. Contact: +977-9851117969.*

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**NAST Library Cataloging:** *Who is Who in Science, Technology and Innovation of Nepal. Nepal Academy of Science and Technology (NAST). Page: 654. First Edition.*

**ISBN (Hardback): 978-9937-0-8013-2**



*The Prime Minister*

KATHMANDU  
NEPAL

## MESSAGE

It gives me pleasure to know that Nepal Academy of Science and Technology (NAST) has published the first volume of its directory entitled Who is Who in Science, Technology and Innovation of Nepal. This directory is basically a list of Nepali scientists and technologists working in different disciplines in different parts of the world.

Development of the country is the only agenda of this government for which it has given prime importance to science, technology and innovations. We cannot even dream of national development without having proper infrastructure and human resource for research and development in this discipline. This is what we have learnt from the history of developed countries in the world.

Because modern science and technology started very late in Nepal, we acknowledge that we still to have robust infrastructure for scientific research in the country. However, we are gradually approaching to the considerable mass in terms of human resource for the research in different disciplines of science and technology. In this context, proper database of Nepali scientists and technologists along with the synopsis of their expertise could be instrumental to recognise and engage them in different frontiers of national development.

I believe that the directory will be a useful document to provide with the required information to the nation about Nepali experts and their current engagements so that we can utilise them in the best possible way for development outcomes.

I thank NAST and its team for its diligent work to bring out this directory amidst the uncomfortable situation created by COVID-19 pandemic. I believe that those who are not enlisted in this volume will be included in the subsequent revised editions or a new volume to come in the future.

I wish NAST a success in its initiative to pave a solid foundation for the national development through the optimal utilisation of Nepali human resource in the field of science, technology and innovation.

K P Sharma Oli

5 November 2020





## Government of Nepal

**Hon. Girirajmani Pokharel**  
Minister of Education,  
Science and Technology



**Ministry of Education,  
Science and Technology**  
Singhadurbar, Kathmandu, Nepal

Ref. No.:-

Date:- 2 November, 2020

### Message

Development of Science and Technology is the key to overall development of the country. This is because scientific and technological advancement leads to economic growth, improvement in health systems, education, infrastructures, safety, security, and sustainability. This requires skilled human resources in the fields of science, technology, and innovation.

Considering the central roles of skilled scientists and technicians, NAST has initiated the compilation and publication of short biographies of Nepali PhD graduates. This publication forms a directory of the brilliant Nepali scientists, experts, and skilled people who can contribute and support in the development pathways of the country. I am pleased to announce the publication of this Directory and I hope it will help us to utilize national human resource and expertise in science, technology, innovation, and entrepreneurship.

Finally, I hope that the subsequent Directory will be updated and published in future so that more and more scientists and technologists will be included. I congratulate this NAST for this excellent initiative to link scientists and technicians, and appreciate their efforts for the development of the country.

Girirajmani Pokharel  
Minister

Ministry of Education, Science and Technology





# NEPAL ACADEMY OF SCIENCE & TECHNOLOGY

OFFICE OF THE VICE-CHANCELLOR

**NAST**

## Foreword



Several ancient holy pieces of literature listed many experts, scientists, and technicians and described their contributions in this region. Some scientists and innovators served Nepal during the rule of the Kirata, Lichhavi, and Malla dynasties. Notably, Nepal's modern science and technology era has been believed to begin only in the 20<sup>th</sup> century. Several universities, schools, laboratories, organizations, and departments have been established during this period, especially to promote science and technology activities. Therefore, Nepal has progressed much in these subjects in recent years. The Sixth Five-Year Plan of the country (1980–1985) mentioned the development of S & T capacity and its applications to create awareness among the masses for the first time. After that, several plans, policies, and programs have been launched by the government to produce and develop the skilled manpower, experts, and scientists from the institutions inside and outside the country.

When I was appointed as Vice-Chancellor of Nepal Academy of Science and Technology (NAST) by the Chancellor of NAST, Right Honorable Prime Minister of Nepal, Mr. K. P. Sharma Oli, I had a dream of few endeavors like transforming NAST into a SMART NAST through managerial reform, enhancement in the use of ICT, and motivation for scientists and technologists of NAST and that of the country as a whole through some incentive packages, and linking Science and Technology to the Nepali society. To materialize the dream, I felt that we need to have a complete list of Nepali scientists, experts, and skilled human resources active inside and outside the country. Although Nepal's constitution promulgated in 2072 B.S. recognized science as a fundamental pillar of the country's development, a complete scientific database comprising of the Scientists' and Technologists' names, addresses, skills, areas of expertise, and their endeavors and contributions were still lacking in the country. In this context, to formulate plans and implement them effectively are very difficult. It is widely believed that the individuals who have achieved the degree of Doctor of Philosophy (PhD) or equivalent degrees in



# NEPAL ACADEMY OF SCIENCE & TECHNOLOGY

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Science, Technology, Engineering, Mathematics, and Medicines are the fundamental assets in philosophy, skills, and wisdom. They can efficiently work for the society, community, and country whenever and wherever felt necessary.

In this connection, from August 2019 to October 2020, committee members from NAST collected the biodata of Nepali Scientists and Technologists around the globe. Firstly, the team members used online social media like Facebook and the online news portal as secondary sources. Secondly, they also visited universities, colleges, and governmental and non-governmental organizations scattered within the country to collect primary data. As a result, we have compiled nearly nine hundred Nepali experts who have completed their PhD in different Science and Technology disciplines in this first edition of the book. I sincerely thank the coordinator of the committee and the Academician of NAST, Prof. Dr. S. K. Mishra, and the committee members from NAST for having completed this task despite the difficult situation created by the pandemic of COVID-19. I would also like to thank every individual and representative of institutions who took part in our initiative by providing us with the necessary information. I hope that the directory will be a valuable document providing information to the nation about Nepali professionals with their expertise working in Science and Technology to be utilized to develop the country whenever required. Finally, we will try our best to bring out other volumes in the future, including those who could not be included in this volume and also request every reader to utilize the information contained in this book.


Dr. Sunil Bābu Shrestha

Vice-Chancellor

Date: November 5, 2020

# How To Use The Directory

This page illustrates and explains the features that are used in this directory. The information and data published in this directory are solely provided by the scientists and technologists. Therefore, the publication committee does not guarantee the accuracy of the biography.

Serial Number of Scientist/ Technologist in the directory	First Name	Middle Name	Surname (Underlined)	Male (Gender, if there is F, it indicates Female)	Year of Birth	District of Birth	Birth Country	Photo
847.	Tirth	Raj	<u>Ghimire</u>	(M)	1979	Chitwan	Nepal	
Skills or Subjective Knowledge that Scientist/Technologist Possesses	<b>Category:</b> Zoology, Immunology, Parasitology.							
Organization or Place Where Scientist/Technologist is Currently Working.	<b>Current Affiliation:</b> Scientific Officer, Nepal Academy of Science and Technology (NAST), Khumaltar, Lalitpur, Nepal.							
Organization or Place Where Scientist/Technologist Previously Worked.	<b>Past Experiences:</b> Visiting Scientist, University of Glasgow, UK. Chief Executive Officer, Global Primate Network, Kathmandu, Nepal. Lecturer, Birendra Multiple Campus, Tribhuvan University, Bharatpur, Chitwan, Nepal. Lecturer, Bagmati Modern College, Kathmandu, Nepal. Lecturer, Saipal Academy, Kathmandu, Nepal. Lecturer, Brihaspati Vidya Sadan, Kathmandu, Nepal. Science Teacher, Gorakhnath Secondary School, Kathmandu, Nepal.							
Level of Education (PhD or Equivalent Degree, Master's, Bachelor's Degree in Science, Technology, Engineering, Mathematics or Medicine), Name of the College or University, Year of Graduation) Achieved by Scientist/Technologist.	<b>Education:</b> PhD in Immunology-Vaccine Adjuvants from University of Strathclyde Glasgow, United Kingdom in 2012. MSc in Zoology (Parasitology)- <i>Cyclospora cayatanensis</i> in HIV and Non-HIV People from Central Department of Zoology, Tribhuvan University, Kirtipur, Kathmandu, Nepal in 2004. BSc in Zoology from Birendra Multiple Campus, Bharatpur, Chitwan, Nepal in 2001.							
Award Received by Scientist/Technologist.	<b>Awards:</b> Gold Medal with Nepal Vidhya Bhusan 'Ka' (2014) from Dr. Ram Baran Yadav, the President of Nepal by the Government of Nepal. Gold Medal with Mahendra Vidhya Bhusan 'Kha' (2006) from the King Gyanendra Bir Bikram Shahadev by the Government of Nepal. Overseas Research Students Awards Scheme (ORSAS) (2008-2012) by the Government of UK. Research Scholarship (2008-2012) by the University of Strathclyde, Scotland. Thesis Grant (2002) by Nepal Academy of Science and Technology (NAST), Nepal.							
Scientific Skill or Subjective Talency/ Knowledge Possessed by Scientist/Technologist.	<b>Expertise:</b> Immunology. T cell and B cell. Antigen Presenting Cells. Vaccine. Parasitology. Protozoa. Helminths. Arthropods. FACS. ELISA. Confocal Imaging. Microscopy. Immunocytochemistry. <i>In vitro</i> and <i>In vivo</i> Experiments. <i>E. coli</i> Cloning, Protein Expression and Extraction. Mouse Modelling in Infectious Disease Research.							
Membership or Affiliation of Scientist/Technologist to Society, Group, Academic or Research Institute.	<b>Professional Affiliation:</b> British Society for Immunology, London, England. British Science Association, London, England. International Society for Infectious Diseases, MA, USA. American Society for Microbiology, NW, USA. Microbiology Society, London, UK. International Society for Environmental Information Sciences, Canada.							
Postal or Electronic Contacts for the Scientist/Technologist.	<b>Correspondence:</b> <b>Mailing Address:</b> Nepal Academy of Science and Technology (NAST), Khumaltar, Lalitpur, Nepal. <b>Phone number/Cell:</b> 9869288877. <b>E-mail:</b> tirthprimate@gmail.com							

**Who is Who in Science, Technology and Innovation of Nepal**  
*Publication Committee*  
 Nepal Academy of Science and Technology (NAST)



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- Expertise:** Isolation and Structure Elucidation of Natural Products. Standardization of Medicinal and Aromatic Plants. Bioassay Techniques. NMR, Mass IR, UV, GC-MS, LC-MS Spectroscopy Techniques. Phase First Metabolism Study Using LC-MS. Green Synthesis of Nanoparticles and its Applications for Sensing of Heavy Metals, Bacteria and Pesticides.
- Professional Affiliation:** Life Member, Nepal Chemical Society. Visiting Professor, East Kazakhstan State University, Kazakhstan. Member, the Interim Board of Study in Medicinal Biochemistry and Biotechnology of Institute of Biochemistry, Molecular Biology and Biotechnology, University of Colombo, Srilanka. Member, The Advisory Board of Ministry of Science and Technology, Nepal.
- Correspondence:** **Mailing Address:** Central Department of Chemistry, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 9861490245. **E-mail:** achyutraj05@gmail.com



#### 4. Achyut Aryal (M; 1980; Palpa, Nepal)

**Category:** Conservation Biology. Environmental Health and Safety.

**Current Affiliation:** National Health Safety Environmental and Education Manager, CC Group Limited, New Zealand.

**Past Experiences:** Post-Doctorate, Massey University. Health and Safety Manager, CC Group. Compliance Coordinator, Waste Management.

**Education:** PhD in Conservation Biology from Massey University, New Zealand in 2013. MSc in Forestry from University of Freiburg, Germany in 2008. BSc in Forestry from Tribhuvan University, Nepal in 2005.

**Awards:** PhD Scholarship (2009) by Massey University.

**Correspondence:** **Mailing Address:** 2/54A Birkdale Road. **Phone number/Cell:** 02108175976. **E-mail:** savefauna@gmail.com



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#### 5. Achyut Mishra (M; 1981; Jhapa, Nepal)

**Category:** Food Science.

**Current Affiliation:** Scientist, Nepal Agricultural Research Council, Khumaltar, Lalitpur-15, Nepal.

**Past Experiences:** Academic Coordinator, College of Applied Food and Dairy Technology (CAFODAT), Kathmandu. Teaching Assistant, Central Campus of Technology, Dharan.

**Education:** PhD in Dairy Science, Evaluation of Processing Variables to Increase the Solids of Milk protein Concentrates Prior to Drying from South Dakota State University, United States in 2020. MTech in Food Science from Central Tribhuvan University Campus of Technology, Nepal in 2007. BTech in Food Science from Central Tribhuvan University Campus of Technology, Nepal in 2004.

**Awards:** Dairy Recognition and Education Foundation Award (2018) by South Dakota State University.

**Expertise:** Dairy Foods Ingredients Research. Milk-protein Dairy Foods Product Development.

**Professional Affiliation:** American Dairy Science Association (ADSA). Nepal Food Scientists and Technologists Association (NEFOSTA).

**Correspondence:** **Mailing Address:** Food Research Division, Nepal Agricultural Research Council, Khumaltar, Lalitpur. **Phone number/Cell:** +9771-5544459. **E-mail:** achyutmishra2000@gmail.com



## 6. Achyut Tiwari (M; 1975; Gorkha, Nepal)

**Category:** Plant Ecology. Dendrochronology.

**Current Affiliation:** Assistant Professor, Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Scientific Officer, Department of Plant Resources, Ministry of Forests and Soil Conservation, Nepal.

**Education:** PhD in Dendroecology-Treeline Dynamics from University of Chinese Academy of Sciences, China in 2016. MSc in Botany-Provenance Variation of *Castanopsis indica* in Central Nepal from Tribhuvan University, Nepal in 2003. BSc in Botany from Tribhuvan University, Nepal in 1998.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2017) by Government of Nepal. The UGC Small Research Development and Innovation Grant Agreement (2017) by University Grant Commission, Sanathimi, Bhaktapur, Nepal. Lumbini Development Trust Research Grant (2018) by Lumbini Development Trust, Rupandehi, Lumbini, Nepal.

**Expertise:** Dendroclimatology. Dendroecology. Climate Change. Plant Distribution Patterns.

**Professional Affiliation:** Central Department of Botany, Tribhuvan University, Kathmandu, Nepal. Associate, Tree Ring Society of Nepal. Editor, North American Academic Research. Editor, International Journal of Environment and Bio-diversity (NeBio).

**Correspondence:** **Mailing Address:** Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 9841403540. **E-mail:** achyutone@gmail.com



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## 7. Aditya Bastola (M; 1978; Jhapa, Nepal)

**Category:** Gender. Water and Climate Change.

**Current Affiliation:** Gender Specialist, ICIMOD, Khumaltar.

**Past Experiences:** Senior Fellow, SasiWATERS. Project Lead, Women in Environment. Social Scientist, SM Sehgal Foundation.

**Education:** PhD in Women's Studies from University of Pune, India in 2013. Master's Degree in Social Work in Urban and Rural Community Development from Karve Institute of Social Services, India in 2005. BCom in Computer Application from Brihan Maharashtra College of Commerce, India in 2002.

**Awards:** Best Field Work (2005) by Karve Institute of Social Services. Best Research (2005) by Karve Institute of Social Services.

**Expertise:** Gender and Water. Climate Change Adaptation. Livelihood.

**Professional Affiliation:** Board Member, Saheli HIV/AIDS Karyakarta Sangh. UNDP Cap-Net Network.

**Correspondence:** **Mailing Address:** ICIMOD, Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** 9808855366. **E-mail:** adityabastola@gmail.com



### 8. Agni Raj Koirala (M; 1978; Kailali, Nepal)

**Category:** Material Chemistry.

**Current Affiliation:** Research Scientists, Sogang University.

**Past Experiences:** Part Time Lecturer, Pulchowk Engineer College. Part Time Lecturer, Tri-Chandra College. Lecturer, Himalayan White House International College.

**Education:** PhD in Chemistry from Sogang University, Republic of Korea in 2015. MSc in Chemistry from Tribhuvan University, Nepal in 2000. BSc in Chemistry from Tribhuvan University, Nepal in 1996.

**Awards:** Best Presentation Award (2008) by Department of Integrated Biotechnology. Outstanding Graduate Student Award (2014) by Department of Chemistry.

**Expertise:** Material Chemistry Synthesis. Characterization and Application. Photocatalysis (CO<sub>2</sub> Reduction, Water Splitting). Green Chemical Synthesis of Metal and Metal Oxide Nanoparticles.

**Professional Affiliation:** Korea Center for Artificial Photosynthesis, Seoul, Korea. Department of Chemistry, Sogang University, Seoul, Korea. Center for Nanomaterial, Sogang University, Seoul, Korea.

**Correspondence:** **Mailing Address:** Baekbeom-Ro, 17 An-Gil, 21. **Phone number/Cell:** +821047983396. **E-mail:** agnikoirala@gmail.com



### 9. Ajay Kumar Jha (M; 1975; Sarlahi, Nepal)

**Category:** Engineering.

**Current Affiliation:** Associate Professor, Pulchowk Campus, Institute of Engineering, Tribhuvan University, Lalitpur, Nepal.

**Past Experiences:** Researcher, Harbin Institute of Technology, Harbin, China. Assistant Professor, Kathmandu Engineering College, Affiliated to Tribhuvan University, Nepal.

**Education:** PhD in Environmental Science and Engineering from Harbin Institute of Technology, China in 2012. MSc in Renewable Energy Engineering from Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal in 2005. BE in Mechanical Engineering from Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal in 2000.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2014) by Government of Nepal.

**Expertise:** Renewable Energy. Environmental Engineering. Mechanical Engineering.

**Professional Affiliation:** Pulchowk Campus, Institute of Engineering, Tribhuvan University, Lalitpur, Nepal.

**Correspondence:** **Mailing Address:** Mechanical Department, Pulchowk Campus, Institute of Engineering, Tribhuvan University, Lalitpur, Nepal. **Phone number/Cell:** 9841323147. **E-mail:** akjha@ioe.edu.np



### 10. Ajay Kumar Jha (M; 1978; Mahottari, Nepal)

**Category:** Computer Science.

**Current Affiliation:** Post-Doctoral Researcher, Kyungpook National University, Daegu, South Korea.

**Past Experiences:** Co-founder, Unified Technology Consultancy, Nepal.  
Business Development Manager, V2Soft, India.  
Business Development Manager, FoxsysTech, India.

**Education:** PhD in Computer Science from Kyungpook National University, Republic of Korea in 2017. MSc in Computer Science from Kyungpook National University, Republic of Korea in 2013. BSc in Information Technology from Sikkim Manipal University of Health, Medical and Technological Sciences, India in 2004.

**Awards:** Brain Korea 21 Plus Post-Doc Fellowship (2017) by BrainKorea21 Plus. KNU Honors Scholarship (2013) by Kyungpook National University. KNU Honors Scholarship (2011) by Kyungpook National University.

**Expertise:** Software Engineering. Software Testing. Program Analysis.

**Professional Affiliation:** Kyungpook National University, Daegu, South Korea.

**Correspondence:** **Mailing Address:** Kyungpook National University, Daegu, South Korea.  
**Phone number/Cell:** +82-10-2290-1978. **E-mail:** kajay.jha@gmail.com



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### 11. Ajay Risal (M; 1978; Lalitpur, Nepal)

**Category:** Health Sciences (Clinical Medicine).

**Current Affiliation:** Associate Professor and Head of Department of Psychiatry, School of Medical Sciences, Dhulikhel Hospital, Kathmandu University Dhulikhel, Kavre, Nepal.

**Past Experiences:** Assistant Professor, Dhulikhel Hospital, Kathmandu University School of Medical Sciences. Lecturer, Dhulikhel Hospital. Medical Officer, Dhulikhel Hospital.

**Education:** PhD in Major Disorders of The Brain in Nepal-Prevalence, Associations, Interactions and Public Health Implications from Norwegian University of Science and Technology, Norway in 2017. MD (Doctor of Medicine) in Psychiatry from Kathmandu University, Nepal in 2010. MBBS from Tribhuvan University, Nepal in 2004.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2018) by President of Nepal. Best Published Paper Award and Gold Medal (2019) by Psychiatrists' Association of Nepal (PAN). Certificate of Academic Excellence (2001 and 2002) by Universal College of Medical Sciences.

**Expertise:** Research Methodology. Human Subjects and HIPAA Research. Literature.  
**Professional Affiliation:** Nepal Medical Council. Nepal Medical Association. Psychiatrists' Association of Nepal.

**Correspondence:** **Mailing Address:** Dhobighat-4, Lalitpur. **Phone number/Cell:** 9849550155. **E-mail:** drajayrisal@gmail.com



## 12. Ajay Singh Thapa (M; 1976; Syangja, Nepal)

**Category:** Emergency Medicine.

**Current Affiliation:** Consultant Emergency Physician and Head of Department, Grande International Hospital, Dhapasi, Kathmandu, Nepal.

**Past Experiences:** DM Resident, Institute of Medicine, Tribhuvan University Teaching Hospital. Junior Consultant Family Physician, Amda Hospital, Damak, Jhapa, Nepal. Senior Resident, BP Koirala Institute of Health Sciences, Dharan, Nepal.

**Education:** DM in Emergency Medicine from Institute of Medicine, Tribhuvan University Teaching Hospital in 2014. MD in General Practice and Emergency Medicine from BP Koirala Institute of Health Sciences, Dharan, Nepal in 2010. MD in General Medicine from St. Petersburg State Medical Academy named After Mechnikov, Russian Federation in 1999.

**Expertise:** Emergency Medicine. Clinical Toxicology. Emergency Medical Services (EMS).

**Professional Affiliation:** Nepal Medical Council. Nepal Medical Association. Nepalese Society of Emergency Physicians.

**Correspondence:** **Mailing Address:** Chalcha Marg-15, Swyombu, Kathmandu, Nepal.

**Phone number/Cell:** 9813853060. **E-mail:** drajaythapa@gmail.com, ajay.thapa@grandehospital.com



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## 13. Ajaya Bhattarai (M; 1974; Jhapa, Nepal)

**Category:** Chemistry.

**Current Affiliation:** Assistant Professor, Tribhuvan University, College Road.

**Past Experiences:** Teaching Assistant, Mahendra Morang Adarsh Multiple Campus, Biratnagar. Teaching Assistant, Tribhuvan Multiple Campus, Tansen, Palpa.

**Education:** PhD in Polyelectrolyte-Surfactant Interactions in Mixed Solvent Media from North Bengal University, India in 2011. MSc in Physical Chemistry from Tribhuvan University, Nepal in 1999. BSc in Physics, Chemistry, Maths from Mahendra Morang Adarsh Multiple Campus, Tribhuvan University, Biratnagar, Nepal in 1996.

**Awards:** Young Scientist Award (2008) by TWAS, Italy.

**Expertise:** Polymer Chemistry. Surface Chemistry. Nano Materials.

**Professional Affiliation:** Department of Chemistry, Mahendra Morang Adarsh Multiple Campus, Tribhuvan University, Biratnagar, Nepal.

**Correspondence:** **Mailing Address:** Department of Chemistry, Mahendra Morang Adarsh Multiple Campus, Tribhuvan University, Biratnagar, Nepal. **Phone number/Cell:** 9842077434. **E-mail:** bkajaya@yahoo.com



**14. Akhanda Raj Upreti (M; 1984; Makwanpur, Nepal)**

**Category:** Environmental Science and Engineering.

**Current Affiliation:** Environmental Specialist, Environment and Resource Management Consultant (P) Ltd, Pujapratisthan Marga, Mid-Baneshwar, Kathmandu, Nepal.

**Past Experiences:** Adjunct Professor, Amrit Campus, Institute of Science and Technology, Tribhuvan University, Kathmandu. Research Assistant, Hohai University. Editor, Headlines Himalaya, Resources Himalaya Foundation.

**Education:** PhD in Environmental Science and Engineering-Fabrication and Application of Zinc Ferrite based photo catalyst for water remediation from Hohai University, China in 2017. MSc in Environmental Science Study of Handikhola Buffer Zone VDC of Parsa Wildlife Reserve in Relation With Need and Availability of forest Resources from Tribhuvan University, Nepal in 2008. BSc in Environmental Science from Tribhuvan University, Nepal in 2006.

**Awards:** Mentorship Award for “Next Generation Conservation Leadership” (2009) by Resources Himalaya Foundation. Chinese Government Scholarship for PhD (2012) by Chinese Government. National Science Funds for Innovative Research Groups of China (2015) by Chinese Government.

**Expertise:** Environmental Nanotechnology. Environmental Assessment. Photocatalysis.

**Professional Affiliation:** Managing Director, Himalayan Research Forum, Nepal (P) Ltd.

**Correspondence:** **Mailing Address:** Pujapratisthan Marga, Mid-Baneshwar, Kathmandu, Nepal. **Phone number/Cell:** 9841684413. **E-mail:** akhandaraj@gmail.com



**15. Akhilesh Kumar Kasyap (M; 1979; Dhanusa, Nepal)**

**Category:** Medicine.

**Current Affiliation:** Consultant Gastroenterologist, Grande International Hospital, Dhapasi, Kathmandu, Nepal.

**Past Experiences:** Assistant Professor, KIST Medical College.

**Education:** DM in Gastroenterology from National Academy of Medical Sciences (NAMS), Nepal in 2016. MD in Medicine from Kathmandu University, Nepal in 2007. MBBS from BPKIHS, Nepal in 2002.

**Awards:** DM (2017) by NAMS.

**Correspondence:** **Mailing Address:** Grande International Hospital, Dhapasi, Kathmandu, Nepal. **Phone number/Cell:** 9851014358. **E-mail:** drakhileshkasyap@gmail.com



**16. Akkal Dev Mishra (M; 1966; Darchula, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Professor, Prithvi Narayan Campus, TU, Pokhara-1, Kaski, Nepal.

**Past Experiences:** Head, S&T, Janapriya Campus, Pokhara. Subject Committee Member S&T, PU, Pokhara. Subject Committee Member, UGC, Sanathimi, Bhaktapur.

**Education:** PhD on Study on Drug Designing and Bioactivities from University of Delhi, India in 2004. MSc in Organic Chemistry from Kumaun University, India in 1990. BSc in Chemistry, Botany, Zoology from Kumaun University, India in 1986.

**Awards:** TWAS Young Scientist Award (2006) by NAST. Nepal Bhusan (2005) by Government of Nepal. Intellectual Fellow (2019) by Nepal Chemical Society.

**Expertise:** Journal Editing. Research Supervision. Research Paper Review.

**Professional Affiliation:** Prithvi Narayan Campus, TU, Pokhara-1, Kaski, Nepal.

**Correspondence:** **Mailing Address:** Prithvi Narayan Campus, TU, Pokhara-1, Kaski, Nepal. **Phone number/Cell:** 061543414/9856038853. **E-mail:** mishraad71@gmail.com



**17. Aman Shakya (M; 1981; Kathmandu, Nepal)**

**Category:** Computer Engineering.

**Current Affiliation:** Lecturer, Pulchowk Campus, Institute of Engineering, Tribhuvan University, Kathmandu.

**Past Experiences:** Software Engineer, Yomari Inc, Lalitpur, Nepal.

**Education:** PhD in Social Semantic Web from National Institute of Informatics (NII), Graduate University for Advanced Studies (Sokendai), Japan in 2009. ME in ICT from Asian Institute of Technology, Thailand in 2006. BE in Computer Engineering from Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal in 2003.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2010) by Government of Nepal.

**Expertise:** Semantic Web. Social Web Applications. Natural Language Processing.

**Correspondence:** **Mailing Address:** 176 Shri Ganeshsthan Marg, Balaju, Kathmandu-16, Nepal. **Phone number/Cell:** 9841218877. **E-mail:** aman.shakya@ioe.edu.np



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**18. Amar Bahadur Karki (M; 1970; Lalitpur, Nepal)**

**Category:** Physics.

**Current Affiliation:** Research Scientist, Scientific Instruments Inc, 4400 West Tiffany Drive, West Palm Beach FL 33407, USA.

**Past Experiences:** Research Associate, Louisiana State University, Louisiana, USA. Assistant Professor, Nepal Engineering College, Bhaktapur, Nepal.

**Education:** PhD in Condensed Matter Physics-Investigation of Superconductivity and Physical Properties of Intermetallic Compounds:  $\text{MgCNi}_3$ ,  $\text{MoN}$ ,  $\text{Mo}_3\text{Sb}_7$  and Transition Metal Diborides from Louisiana State University, United States in 2008. MSc in Physics from Tribhuvan University, Nepal in 1995. BSc in Physics, Math, Statistics from Tribhuvan University, Nepal in 1992.

**Awards:** Research Assistantship (2004) by Louisiana State University.

**Expertise:** Superconductivity and Magnetism. Cryogenics. Temperature Sensors.

**Professional Affiliation:** Scientific Instruments. Inc, West Palm Beach, FL 33407, USA. Louisiana State University, Louisiana, USA. Nepal Engineering College, Bhaktapur, Nepal.

**Correspondence:** **Mailing Address:** 1428 fairway Cir, Greenacres, FL 33413. **Phone number/Cell:** +12252028173. **E-mail:** amarbdrkarki@gmail.com



### 19. Amba Datt Pant (M; 1979; Baitadi, Nepal)

**Category:** Physics.

**Current Affiliation:** Post-Doctoral Researcher, Ibaraki University, Institute of Quantum Beam Science, College of Science and Engineering, 2-1-1 Bunkyo, Mito 310-8512 Japan.

**Past Experiences:** Post-Doctoral Fellow, High Energy Accelerator Research Organization (KEK), Japan. Lecturer, Central Department of Physics, TU, Nepal.

**Education:** PhD in Physics from Yamanashi University, Japan in 2015. MSc in Physics from Central Department of Physics, TU, Nepal in 2002. BSc in Physics, Chemistry, Mathematics from Kumaun University, India in 2000.

**Awards:** Distinguished Student Award for Excellent Research of 2015 (2016) by Muon and Meson Science of Japan. Poster Award for the Paper, “Development of Ultra Slow Muon Microscope” (2013) by Summer School for Young Scientists, Yamanashi.

**Expertise:** Biophysics. Nuclear Physics. Condensed Matter Physics.

**Professional Affiliation:** Nepal Physical Society. Japan Physical Society. Society of Muon and Meson Science, Japan.

**Correspondence:** **Mailing Address:** Tokai-mura, Tokai 1-1-21, Funaishikawa Height A-102, Ibaraki-ken, 319-1117 Japan. **Phone number/Cell:** +818035414088. **E-mail:** ambadatt pant22@gmail.com



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### 20. Ambika Prasad Adhikari (M; 1955; Bhojpur, Nepal)

**Category:** Urban Planning.

**Current Affiliation:** Principal Planner, City of Tempe, Arizona, USA.

**Past Experiences:** Research Program Manager (and Research Professor), Arizona State University. Country Representative, IUCN. Associate Professor, IOE, Tribhuvan University.

**Education:** Doctor of Design, Urban Planning and Design from Harvard University, United States in 1991. MArch in Architecture and Planning from University of Hawaii, United States in 1980. BArch in Architecture from MS University of Baroda, India in 1975.

**Awards:** Leadership Award (2010) by American Planning Association, Arizona. Leadership in Education Award (1998) by Institute of International Education, Washington DC.

**Expertise:** Urban Planning and Design. Environmental Planning and Policy. International Development.

**Professional Affiliation:** American Institute of Certified Planners. US Green Building Council. Project Management Institute.

**Correspondence:** **Mailing Address:** Phoenix, AZ, USA. **Phone number/Cell:** 6024899500. **E-mail:** ambika\_adhikari@yahoo.com.



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**21. Amit Kumar Chaudhary (M; 1982; Dhanusa, Nepal)**

**Category:** Molecular Biotechnology.

**Current Affiliation:** Scientist II, Antibody Therapeutics Inc. Hayward, CA, USA.

**Past Experiences:** Scientist, Pfizer Pharmaceutical, Kalamazoo, USA. Post-Doctoral Researcher, University of Nebraska Medical Center, Nebraska, USA. Post-Doctoral Researcher, Kyung Hee University, South Korea.

**Education:** PhD in Biochemistry from Sun Moon University, Republic of Korea in 2014. MSc in Biotechnology from Mysore University, India in 2008. BSc in Genetics from Nizam College, Osmania University, India in 2005.

**Awards:** CHC Scholarship (2011) by Institute of Biomolecule Reconstruction, Sun Moon University, South Korea. Aid-Nepal Silver Jubilee Scholarship (2006) by Embassy of India, Nepal. Recognized for Invention at UNeMed Research and Innovation Awards (2017) by UNeMed, University of Nebraska Medical Center.

**Expertise:** Designing Tools (siRNA, CRISPRi, proteins, asRNAs expressing plasmids) for Engineering Microbes. Protein Expression/Evolution and high-throughput Screening. Drug Development. Gene Therapy. Immunotherapy.

**Professional Affiliation:** Reviewer, Emergent Life Sciences Research (ELSR). Editorial Member, EC Microbiology (ECMI).

**Correspondence:** **Mailing Address:** San Lorenzo, CA, USA. **Phone number/Cell:** +14022039777. **E-mail:** amitkumarchaudhary3@gmail.com



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**22. Amita Kumari (F; 1964; Dhanusa, Nepal)**

**Category:** Organic Chemistry.

**Current Affiliation:** Reader, Department of Chemistry, RRM Campus, Dhanusha, Janakpur.

**Past Experiences:** Lecturer, RRM Campus, Janakpur. Reader, RRM Campus, Janakpur. Chairperson, Social Development Organization, Janakpur-12 (Worked with Nepal Water for Health, Newah) for Water Supply, Health and Sanitation Project funded by Water Aid England.

**Education:** PhD in Effect of Chemicals as Pollutants Such as Endrin, Hepatachlor and Aldrin on The Survival of Some Species Such as Fish Fauna from BRA Bihar University, Muzaffarpur, Bihar, India in 2005. MSc in Chemistry from Bihar University in 1989. BSc in Chemistry from Bihar University in 1987.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2010) By Government of Nepal. Deergha Sewa Padak (Long Service Medal) (2018) By Tribhuvan University, Kirtipur, Kathmandu.

**Expertise:** Organic Chemistry.

**Professional Affiliation:** Associate Academician, Nepal Academy of Science and Technology (NAST), Khumaltar, Lalitpur, Nepal.

**Correspondence:** **Mailing Address:** Pragati Nagar, Janakpur-12, Dhanusha, Nepal. **Phone number/Cell:** 9844113631. **E-mail:** amitakumari3111@gmail.com



### 23. **Amita Pradhan (F; 1974; Kathmandu, Nepal)**

**Category:** Statistics. Biostatistics.

**Current Affiliation:** Professor, Peoples' Dental College and Hospital, Naya Bazaar, Kathmandu.

**Past Experiences:** Professor, KIST Medical College and Teaching Hospital. Assistant Professor, Kathmandu Medical College and Teaching Hospital.

**Education:** PhD in Statistics-Nutritional Status Among Under Five Children and Their Mothers with Gender Perspective from Tribhuvan University, Nepal in 2012. MSc in Statistics from Tribhuvan University, Nepal in 1997. BSc in Statistics, Meteorology, Mathematics from Tribhuvan University, Nepal in 1994.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2013) by Government of Nepal.

**Expertise:** Biostatistics. Medical Statistics. Research Methodology. Gender Issues.

**Correspondence:** **Mailing Address:** Sanepa, Lalitpur-2, Nepal. **Phone number/Cell:** 9841302137. **E-mail:** amiseason@gmail.com



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### 24. **Amod Mani Dixit (M; 1948; Kathmandu, Nepal)**

**Category:** Disaster Risk Reduction and Management.

**Current Affiliation:** General Secretary, National Society for Earthquake Technology-Nepal (NSET), House 65, CR-13, Sainbu Awas, Bhainsepati Lalitpur, Nepal.

**Past Experiences:** Executive Director, National Society for Earthquake Technology-Nepal (NSET). Director, Geotechnical and Engineering and R&D, SILT Consultants (P) Ltd. Senior Engineering Geologist, In-Charge of Engineering Geology. Geotechnical Section, Department of Mines and Geology, Government of Nepal.

**Education:** PhD in an Evaluation of Earthquake Risk Management Initiatives in Nepal from Ehime University, Japan in 2014. MSc in Geological and Mineralogical Sciences from Leningrad Mining Institute (Currently, The Leningrad Mining University), Russian Federation in 1973. BSc in Geological & Mineralogical Sciences from Leningrad Mining Institute, Russian Federation in 1971.

**Awards:** Prawal Janasewa Shree Award (2013) by Government of Nepal. Disaster Mitigation Award (2009) by Government of India. RONA Science and Technology Promotion Award (2005) by NAST.

**Expertise:** Disaster Risk Reduction and Management. Seismology and Earthquake Risk Management. Engineering Geology and Geo-technique.

**Professional Affiliation:** National Society for Earthquake Technology-Nepal (NSET). House 65 CR13, Sainbu Awas, Lalitpur-25, Nepal.

**Correspondence:** **Mailing Address:** House 200 SR10, Sainbu Awas, Lalitpur-25, Nepal. **Phone number/Cell:** 9851027459. **E-mail:** amod.dixit@gmail.com



**25. Amrit Poudel (M; 1983; Kaski, Nepal)**

**Category:** Pharmacy. Natural Products Chemistry.

**Current Affiliation:** Senior Scientist, Satvik Nepal, Dandakonak Pokhara-27 Nepal.

**Past Experiences:** Research Scientist, Korea Research Institute of Bioscience and Biotechnology, South Korea. Post-Doc Fellow, Korea Research Institute of Bioscience and Biotechnology, South Korea. Assistant Professor, Pokhara University.

**Education:** PhD in Natural Product Chemistry from Wonkwang University in 2013. MPharm in Natural Product Chemistry from Pokhara University, Nepal in 2007. BPharm from Pokhara University, Nepal in 2005.

**Awards:** Dean's List (2007) by Pokhara University. Korean Government Scholarship Program (2008) by Government of Korea. Vidhya Bhusan 'Ka' (2013) by Government of Nepal.

**Expertise:** Natural Product Chemistry. Analytical Chemistry. Traditional System of Medicine.

**Professional Affiliation:** Satvik Nepal, Pokhara-27, Dandakonak, Nepal. Panchamrit Research Center, Pokhara-7, Nepal. Korea Research Institute of Bioscience and Biotechnology, South Korea.

**Correspondence:** **Mailing Address:** Pokhara-7, Masbar, Kaski, Nepal. **Phone number/Cell:** 9856059659. **E-mail:** amritpoudel@gmail.com



## 26. Anand Singh (M; 1972; Saptari, Nepal)

**Category:** Engineering.

**Current Affiliation:** Sr. Asst. Professor, Kantipur City College, Putalisadak, Kathmandu, Nepal.

**Past Experiences:** Chief Executive Officer, Vertex Technology Solutions Pvt Ltd. Managing Director, College of Nepal Software Engineering.

**Education:** PhD in Pragmatic Analysis of Cloud Computing and Privacy from Sai Nath University, India in 2018. Master of Computer Application in SVD Based Digital Image Watermarking Using Linear and Cosine Interpolation Method from Purbanchal University, Nepal in 2013. BE in Embedded System from Purbanchal University, Nepal in 2010.

**Awards:** Higher Diploma in Software Engineering (1998) by Aptech Computer Education. Cisco Certified Network Associates (2009) by Computer Point Nepal.

**Expertise:** Security and Privacy in Cloud Computing. Strategic Management and Research Methodology. Academic Teaching.

**Professional Affiliation:** Vertex Technology Solutions Pvt Ltd. Innovative Agriculture Development Group.

**Correspondence:** **Mailing Address:** Hanumannagar, Kankalini-1, Bhardah, Saptari, Nepal. **Phone number/Cell:** 9851192447. **E-mail:** rofdranand@gmail.com



## 27. Ananda Kafle (M; 1980; Udayapur, Nepal)

**Category:** Chemistry.

**Current Affiliation:** Post-Doctoral Fellow, Tokyo University of Science, 2641-Yamazaki, Noda, Chiba, Japan 278 8510.

**Past Experiences:** Lecturer, Kathmandu University, Dhulikhel, Kavre. Chemistry Teacher, Kathmandu University High School Cambridge A-Level Program. Lecturer, Birat Campus, Biratnagar.

**Education:** PhD in Effects of Beta-Sitosterol Sulfate on the Phase Behaviors and Membrane Properties of Phospholipids from Tokyo University of Science, Japan in 2018. MSc in Inorganic Chemistry from Tribhuvan University, Nepal in 2005. BSc in Chemistry from Tribhuvan University, Nepal in 2003.

**Awards:** Journal of Oleo Science Best Author Award (2019) by Japan Oil Chemists' Society. Student Award for Oral Presentation at ACOS Conference (2017) by Japan Oil Chemists' Society.

**Expertise:** Molecular Self-Assembly. Artificial Membranes. Drug Delivery Systems. X-ray Scattering. Microscopy. Calorimetry.

**Professional Affiliation:** Tokyo University of Science. Kathmandu University. Nepal Chemical Society.

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**28. Anant Babu Marahatta (M; 1979; Gorkha, Nepal)**

**Category:** Chemistry. Engineering.

**Current Affiliation:** Senior Lecturer, Kathford Int'l College of Engineering and Management, Balkumari Chowk, Balkumari, Lalitpur.

**Past Experiences:** Post-Doctoral Researcher, Institute for Material Research (IMR), Tohoku University, Sendai, Japan. Research Fellow, Institute of Fluid Science (IFS), Tohoku University, Sendai, Japan. Lecturer, Kantipur Engineering College and Amrit Science College, Kathmandu, Nepal.

**Education:** PhD in Chemistry-Theoretical Investigation of the Structures and Dynamics of Crystalline Molecular Gyroscopes from Graduate School of Science, Tohoku University, Japan in 2012. MS in Chemistry-ab initio Molecular Dynamics Simulation of Crystalline Molecular Gyroscopes from Graduate School of Science, Tohoku University, Japan in 2009. MSc in Chemistry-Corrosion Behavior of Sputter Deposited Nano-Crystalline W-Mo Alloys in Acidic, Alkaline and Neutral Media from Tribhuvan University, Nepal in 2004. BSc in Chemistry from Tribhuvan University, Nepal in 2001.

**Awards:** Chitta Bahadur Tuladhar Gold Medal (2001) by Amrit Science College, TU, Kathmandu. Research Fellowship (2011) by Tohoku Kaihatsu Memorial Foundation, Japan. Research Fellowship (2012) by Tohoku Kaihatsu Memorial Foundation, Japan.

**Expertise:** Corrosion. Theoretical Computations. Battery.

**Professional Affiliation:** Tribhuvan University, Nepal. Institute for Material Research (IMR), Tohoku University, Japan. Institute of Fluid Science (IFS), Tohoku University, Japan.

**Correspondence:** **Mailing Address:** Nagarjun-10, Suichatar, Jyoti Marg, Kalanki, Kathmandu, Nepal. **Phone number/Cell:** 9861284982. **E-mail:** abmarahatta@gmail.com



## 29. Anant Gopal Singh (M; 1965; Rupandehi, Nepal)

**Category:** Botany.

**Current Affiliation:** Associate Professor, Butwal Multiple Campus, Tribhuvan University, Butwal.

**Past Experiences:** Assistant Lecturer, Department of Botany, Butwal Multiple Campus, Tribhuvan University. Assistant Professor, Department of Botany, Butwal Multiple Campus, Tribhuvan University.

**Education:** PhD in Studies on Ethnomedicinal Flora from Tinau Corridors of Rupandehi and Palpa Districts, Nepal from Dr. RML Awadh University Faizabad, UP India in 2015. MSc in Botany from MLK (PG) College Balrampur, Uttar Pradesh, India in 1991. BSc in Botany from MLK (PG) College Balrampur, Uttar Pradesh, India in 1989.

**Awards:** Long Service Award (2019) by Tribhuvan University.

**Expertise:** Ethnobotanical Study. Conservation of Plants. Herbal Remedies.

**Professional Affiliation:** Life Member, Botanical Society of Nepal. Life Member, Himalayan Biodiversity, PN Campus, Pokhara. Life Member, Ethnobotanical Society of India.

**Correspondence:** **Mailing Address:** Butwal-10, Rupandehi, Nepal. **Phone number/Cell:** 9847035757. **E-mail:** agsingh26@gmail.com

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## 30. Ananta Man Singh Pradhan (M; 1976; Kathmandu, Nepal)

**Category:** Natural Hazards. Landslide. Debris Flow. Urban Planning.

**Current Affiliation:** Senior Divisional Engineering Geologist, Water Resource Research and Development, Ministry of Energy, Water Resources and Irrigation Centre, Pulchowk, Lalitpur.

**Past Experiences:** Lecturer, Central Department of Geology, TU. Engineering Geologist, Department of Electricity Development, Ministry of Energy, Water Resources and Irrigation. Post-Doctoral Researcher, Pukyong National University, South Korea.

**Education:** PhD in Geotechnical Engineering on Development of Rainfall-Induced Shallow landslides in Korean Mountain from Pukyong National University, Busan, in 2017. MSc in Engineering Geology on Engineering and Geotechnical Investigation of Bungmati Landslide, Lalitpur from Tribhuvan University, Nepal in 2002. BSc in Geology from Tribhuvan University, Nepal in 1999.

**Awards:** Best Young Researcher Award (2018) by 13<sup>th</sup> ICCEE, Taiwan. Best Research Paper (2017) by Civil Engineering Society, Busan. Best Research Paper (2015) by 11<sup>th</sup> ICCEE, South Korea.

**Expertise:** Landslide and Debris Flow Mitigation. GIS and Programming Application. Landslide Early Warning System.

**Professional Affiliation:** Nepal Geological Society. Nepal Hydrogeological Association.

**Correspondence:** **Mailing Address:** Mahalaxmi-1, Imadol, Shiva Tole, House No. 22, Lalitpur, Nepal. **Phone number/Cell:** 9841258698. **E-mail:** anantageo@hotmail.com

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**31. Ananta Panthi (M; 1967; Gulmi, Nepal)**

**Category:** Physics. Seismology.

**Current Affiliation:** Professor, Butwal Multiple Campus, Tribhuvan University, Butwal-3, Rupandehi, Nepal.

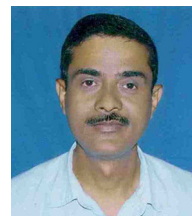
**Past Experiences:** Assistant Campus Chief, Butwal Multiple Campus, Nepal.

**Education:** PhD in Seismology on Identification of Anomalous Seismicity Patterns in Northeast India Himalaya and its Adjoining Regions from Banaras Hindu University (BHU), India in 2011. MSc in Physics from Tribhuvan University, Nepal in 1992. BSc in Physics, Mathematics, Statistics from Tribhuvan University, Nepal in 1989.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2013) by Government of Nepal.

**Expertise:** Analysis of Seismicity Patterns of Seismically Active Regions.

**Correspondence:** **Mailing Address:** Tilottama-3, Jagritipath, Rupandehi, Lumbini, Nepal. **Phone number/Cell:** 071420099/9857036545. **E-mail:** apanthi123@gmail.com



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**32. Anaya Raj Pokhrel (M; 1988; Lalitpur, Nepal)**

**Category:** Bacterial Biochemistry.

**Current Affiliation:** Post-Doctoral Research Associate, University of Minnesota, Schmidt-Dannert Lab, BioTechnology Institute, University of Minnesota, 140 Gortner Lab, 1479 Gortner Avenue, Saint Paul, Minnesota 55108, USA.

**Past Experiences:** Post-Doctoral Research Associate, University of South Florida. PhD Research Scholar, Sun Moon University.

**Education:** PhD in Biochemical Engineering-Exploring the Regulation of Doxorubicin and Daunorubicin Biosynthesis from *Streptomyces peucetius* ATCC 27952 from Sun Moon University, Republic of Korea in 2017. MSc in Biotechnology-Isolation and Characterization of *Streptomyces* species VN-1 and Bioassay-Guided Purification of UV Active Compound from Kathmandu University, Nepal in 2012. BSc in Biotechnology-Isolation and Characterization of Cellulolytic Bacteria from Gut of Termite from Kathmandu University, Nepal in 2010.

**Expertise:** Molecular Biology and Synthetic Biology. Microbiology and Study of Morphology. Study of Metabolic Profile and Analytical Chemistry.

**Professional Affiliation:** University of Minnesota, Schmidt-Dannert Lab, BioTechnology Institute, 140 Gortner Lab, 1479 Gortner Avenue, Saint Paul, MN 55108, USA.

**Correspondence:** **Mailing Address:** 1320 Gibbs Avenue, Saint Paul, Minnesota 55108. **Phone number/Cell:** 5403262875. **E-mail:** apokhrel@umn.edu



### 33. Anil Aryal (M; 1985; Gorkha, Nepal)

**Category:** Water Resources.

**Current Affiliation:** Researcher, University of Yamanashi, Kofu shi, Yamanashi, Japan.

**Past Experiences:** Researcher, University of Yamanashi. Researcher, Asian Institute of Technology. Program Coordinator, Kantipur City College.

**Education:** PhD in Water Resources from University of Yamanshi, Japan in 2019. ME in Water Resources, Climate Change from Asian Institute of Technology, Thailand in 2016. BE in Civil Engineering from Nepal Engineering College, Nepal in 2010.

**Awards:** Monbukagakusho: MEXT Scholarship (2016) by Ministry of Education, Culture, Sports, Science and Technology, Japan. AIT Fellowship (2014) by Asian Institute of Technology.

**Expertise:** Hydrological Modeling. Climate Change. Remote Sensing.

**Professional Affiliation:** Nepal Engineering Council, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Kofu shi, Midorigakoka, 2-6-3, Sugita 1F, 101 Nishi, Yamanashi, Japan. **Phone number/Cell:** 08099917725. **E-mail:** anilsagar651@gmail.com



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### 34. Anil Bhattarai (M; 1977; Parbat, Nepal)

**Category:** Medical Science. Cardiovascular Surgery.

**Current Affiliation:** Associate Professor, Manmohan Center, Institute of Medicine, Tribhuvan University, Maharajgunj.

**Past Experiences:** Medical Officer, TU Teaching Hospital. President, NRNA. President, Save The Heart Nepal.

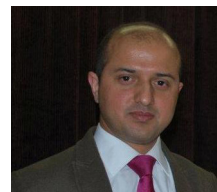
**Education:** PhD in One and Half Ventricle Repair from University of Padova, Italy in 2013. Master of Surgery (MS) in Complete Atrioventricular Canal from Saratov State Medical University, Russian Federation in 2008. MBBS from Saratov State Medical University, Italy in 2000.

**Awards:** The Francis Fontan Award (2011) by European Association for Cardiothoracic Surgery. Nepal Vidhya Bhusan 'Ka' (2014) by Government of Nepal.

**Expertise:** Minimally Invasive Cardiac Surgery. Adult and Pediatric Heart Surgery. Vascular Surgery.

**Professional Affiliation:** Manmohan Cardiothoracic Vascular and Transplant Center, Tribhuvan University, Institute of Medicine, Maharajgunj, Kathmandu. Cardio D&T Center, Lazimpat. Green City Hospital, Dhapasi.

**Correspondence:** **Mailing Address:** Modi-6, Parbat and Budhanilkantha-8, Kathmandu, Nepal. **Phone number/Cell:** 9843534396. **E-mail:** anbh10000@yahoo.com



**35. Anil Kumar Bastola (M; 1992; Tanahu, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Post-Doctoral Researcher, Helmholtz-Zentrum Geesthacht, Kantstraße 55 14513 Teltow, Germany.

**Past Experiences:** Research Assistant, Kathmandu University, Nepal. Research Assistant, Gwangju Institute of Science and Technology University in Gwangju, South Korea. PhD Researcher, Nanyang Technological University, Singapore.

**Education:** PhD in 3D Printing, Materials Science from Nanyang Technological University, Singapore in 2019. MTech in Engineering from Nanyang Technological University, Singapore in 2015. BE in Mechanical Engineering from Kathmandu University, Nepal in 2014.

**Awards:** GIP intern (2014) by GIST, South Korea. SINGA Scholarship (2015) by Government of Singapore.

**Expertise:** Mechanical Engineering. 3d Printing. Material Science.

**Correspondence:** **Mailing Address:** Kantstraße 55, 14513 Teltow Germany. **Phone number/Cell:** +49 01789392570. **E-mail:** anilbastola2002@gmail.com



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**36. Anish Ghimire (M; 1986; Kathmandu, Nepal)**

**Category:** Environmental Engineering.

**Current Affiliation:** Assistant Professor, Kathmandu University, Department of Environmental Science and Engineering, School of Science, Kathmandu University, Dhulikhel, Kavre, Nepal.

**Past Experiences:** Assistant Professor and Research Coordinator, Center for Postgraduate Studies, Nepal Engineering College, Bhaktapur, Nepal. Project Coordinator and Research Fellow, Department of Environmental Science and Engineering, School of Science, Kathmandu University, Nepal.

**Education:** PhD in Environmental Technology from UNESCO-IHE, Delft, Netherlands in 2015. ME in Environmental Engineering from Asian Institute of Technology, Thailand in 2012. BTech in Environmental Engineering from Kathmandu University, Nepal in 2009.

**Awards:** President Medal (2017) by President of Nepal. Best Doctoral Thesis (First Prize) (2016) by Environmental and Sanitary Engineering Association, Italy. The Chongrak Polprasert Prize: Outstanding Student Award in Environmental Engineering and Management (2012) by Asian Institute of Technology.

**Expertise:** Wastewater Treatment. Anaerobic Fermentation. Sanitary Engineering.

**Professional Affiliation:** Member, Nepal Engineering Association. Member, Nepal Engineering Council. Life Member, Society of Public Health Engineers Nepal.

**Correspondence:** **Mailing Address:** Jorpati Oralo, Gokarneshwor-6, Kathmandu, Nepal. **Phone number/Cell:** 9851006051. **E-mail:** anishghimire@gmail.com



**37. Anish Prasad Shrestha (M; 1984; Lalitpur, Nepal)**

**Category:** Computer Science and Communication Engineering.  
**Current Affiliation:** Assistant Professor, Sejong University, Seoul, South Korea.

**Past Experiences:** Post-Doc, Inha University.

**Education:** PhD in Physical Layer Security in Wireless Communications from Inha University, Republic of Korea in 2015. ME in Authentication in Wireless Communications from Chosun University, Republic of Korea in 2010. BE in Access Security (Embedded System) from National College of Engineering, Nepal in 2006.  
**Expertise:** Wireless Communications. Information Security. Machine Learning.

**Correspondence:** **Mailing Address:** Sejong University, Seoul, South Korea. **Phone number/Cell:** 010-5834-1910. **E-mail:** anishpshrestha@gmail.com



**38. Anjana Devkota (F; 1973; Gorkha, Nepal)**

**Category:** Botany.

**Current Affiliation:** Associate Professor, Central Department of Botany, Tribhuvan University, Kathmandu, Nepal.

**Past Experiences:** Part time Lecturer, Birendra Multiple Campus, Bharatpur. Lecturer, National Academy of Medical Science, Kathmandu.

**Education:** PhD in Botany from Tribhuvan University, Nepal in 2011. MSc in Botany from Tribhuvan University, Nepal in 1999. BSc in Botany, Zoology, Chemistry from Tribhuvan University, Nepal in 1996.

**Awards:** Mahendra Vidhya Bhusan 'Kha' (2000) by Ministry of Education, Government of Nepal. BD Pandey Medal (2000) by Nepal Biotechnological Society, Nepal. Young Scientist Award (2011) by Nepal Academy of Science and Technology (NAST). Mahendra Vidhya Bhusan 'Ka' (2012) by Ministry of Education, Government of Nepal.

**Expertise:** Ecophysiology of Medicinal Plants. Wetlands-Flora. Invasive Species. Air Pollution.

**Professional Affiliation:** Ecological Society of Nepal. Botanical Society of Nepal.

**Correspondence:** **Mailing Address:** Central Department of Botany, Tribhuvan University, Kathmandu, Nepal. **Phone number/Cell:** +977-14331322(Office)/9841777805. **E-mail:** devkotaa@gmail.com



**39. Anjana Giri (F; 1971; Kathmandu, Nepal)**

**Category:** Plant Ecology.

**Current Affiliation:** Senior Scientific Officer, Nepal Academy of Science and Technology, Khumaltar, Lalitpur.

**Education:** PhD in Ecology-Carbon and Nitrogen Pools and Fluxes in the Traditional Land Use System of Sagarmatha National Park Bufferzone Area, Nepal from Institute of Forest Ecology, University of Natural Resources and Life Sciences, Vienna, Austria in 2011. MSc in Botany (Plant Ecology) from Central Department of Botany, Tribhuvan University, Nepal in 1997. BSc in Biology from Amrit Science Campus, Lainchaur, Nepal in 1995.

**Awards:** Ernst Mach Follow Up Grant for Post-Doctoral Research (2018) by Federal Ministry of Education, Science and Research (BMBWF), Austria. Austrian Academic Exchange Service (OeAD) (2008) by Federal Ministry of Education, Science and Research (BMBWF), Austria. Nepal Vidhya Bhusan 'Ka' (2011) by Ministry of Education, Singha Durbar, Nepal.

**Expertise:** Plant Ecology. Soil Science. Climate Change.

**Professional Affiliation:** Executive Member, Botanical Society of Nepal (BSoN), Central Department of Botany, Kirtipur, Nepal. Member, Women in Science and Technology (WIST), Kathmandu, Nepal. Member, Organization for Women in Science for The Developing World (OWSD), Italy.

**Correspondence:** **Mailing Address:** Nepal Academy of Science and Technology, Khumaltar, Lalitpur. **Phone number/Cell:** 9813687773. **E-mail:** anjanagiri73@gmail.com



**40. Anjana Singh (F; 1966; Kathmandu, Nepal)**

**Category:** Microbiology.

**Current Affiliation:** Professor, Central Department of Microbiology. Nepal Academician, Academy of Science and Technology, Kirtipur, Nepal.

**Past Experiences:** Head of Department, Central Department of Microbiology, Tribhuvan University. Academician, Nepal Academy of Science and Technology (NAST).

**Education:** PhD in Microbial Microbiology, Immunocharacterization of *Piriformospora indica* and Other Identical Root Endophytes from Jawarharlal Nehru University, Life Sciences, India in 2004. MSc in Bacteriological Investigation on Ice-Cream of the Kathmandu Valley from Tribhuvan University, Institute of Science and Technology, Nepal in 1992. BSc in Microbiology from Tribhuvan University, Institute of Science & Technology, Nepal in 1989.

**Awards:** Education Award (Shikshya Puraskar), Nepal (2008) by Ministry of Education, Science and Technology. Crown Prince Young Scientist Award (2005) by Nepal Academy of Science and Technology. Mahendra Vidhya Bhusan Award 'Ga', Standing Top in BSc (1991) by Ministry of Education, Science and Technology.

**Expertise:** Biology. Microbiology. Biotechnology.

**Professional Affiliation:** Central Department of Microbiology, Tribhuvan University, Kirtipur. Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal.

**Correspondence:** **Mailing Address:** PO Box 8975, Everest Postal Care 5239, Kathmandu, Nepal. **Phone number/Cell:** 01-5555279/9841353364. **E-mail:** anjanas67@gmail.com



#### 41. Anup Basnet Chetry (M; 1978; Tanahu, Nepal)

**Category:** Chemistry.

**Current Affiliation:** Assistant Professor, Mid-Western University, Birendranagar, Surkhet.

**Past Experiences:** Senior Scientific Officer, Nepal Academy of Science and Technology. Lecturer, Modern Technical College, Pokhara University. Lecturer, LA College, Tribhuvan University.

**Education:** PhD in Solvent Extraction of Rare Earth Metals from Saga University, Japan in 2014. MSc in Inorganic Chemistry from Tribhuvan University, Nepal in 2001. BSc in Chemistry from Tribhuvan University, Nepal in 1999.

**Awards:** Monbougakusho (2011) by Japan Government.

**Expertise:** Solvent Extraction Technique for Rare Metals. Water Quality.

**Correspondence:** **Mailing Address:** Birendranagar-8, Surkhet, Nepal. **Phone number/Cell:** 9841322346. **E-mail:** basnet.anoop@gmail.com



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#### 42. Anup Gurung (M; 1982; Kaski, Nepal)

**Category:** Environmental Monitoring and Biosensor.

**Current Affiliation:** CEO, Environmental Research Institute for Sustainable Development, Chapapani-12, Pokhara, Kaski, Nepal.

**Past Experiences:** Water Quality Specialist, Youth Alliance for Environment. Post-Doctoral Researcher, Aalto University, Finland. Post-Doctoral Researcher, Kangwon National University, South Korea.

**Education:** PhD in Renewable Energy-Agricultural Chemistry from Kangwon National University, Republic of Korea in 2013. MSc in International Environmental Science from Norwegian University of Life Sciences, Norway in 2009. BSc in Environmental Science from Kathmandu University, Nepal in 2006.

**Awards:** Outstanding Publication Award (2013) by Kangwon National University.

**Expertise:** Wastewater Treatment. Environmental Monitoring and Biosensor Water Resources.

**Correspondence:** **Mailing Address:** Chapapani-12, Pokhara, Kaski, Nepal. **Phone number/Cell:** 9801302922. **E-mail:** dranupgurung@gmail.com



### **43. Anup Thapa (M; 1982; Kavrepalanchok, Nepal)**

- Category:** Communication Engineering, Wireless Communication. Networks.
- Current Affiliation:** Assistant Professor, Kathmandu University, Department of Electrical and Electronics Engineering, Panauti 4, Kavre Nepal.
- Past Experiences:** Post-Doctoral Researcher, Inha University, South Korea. Research Assistant and PhD Candidate, Chosun University, South Korea. Academic Director, Baylor International Academy, Banepa, Kavre.
- Education:** PhD in Wireless Communication and Networks-Performance Analysis and Enhancement of MIMO Aware MAC Protocols in WLANs from Chosun University, Republic of Korea in 2013. ME in Wireless Communication and Networks-A Study on Contention Resolution Algorithms for Performance Enhancement in BWA (Broad Band Wireless Access) from Chosun University, Republic of Korea in 2009. BE in Electrical and Electronics Engineering (Communication) Capacity Allocation and Planning in CDMA Cellular Networks from Kathmandu University, Nepal in 2005.
- Awards:** Brain Korea 21 Scholarship for PhD (2009) by Korean Government. Brain Korea 21 Scholarship for Masters (2007) by Korean Government. Research Tuition Scholarship for Masters and PhD (2007 and 2009) by Chosun University, Korea.
- Expertise:** Wireless Communication and Networking. Telecommunication. Smart Grid and IoT.
- Professional Affiliation:** Member, Institute of Electrical and Electronics Engineers (IEEE). Member, International Association of Engineering (IAENG). Registered Member, Nepal Engineering Council.
- Correspondence:** **Mailing Address:** Jyalachiti Marg, Panauti-4, Kavre, Nepal. **Phone number/Cell:** 9851116884. **E-mail:** anup.thapa@ku.edu.np



#### 44. Anupama Shrestha (F; 1985; Kathmandu, Nepal)

**Category:** Agriculture. Plant Pathology.

**Current Affiliation:** Adjunct Professor, Himalayan College of Agricultural Sciences and Technology (HICAST), Kalanki.

**Past Experiences:** Post-Doctoral fellow, Chonbuk National University. Research Professor, Korea University.

**Education:** PhD in Plant Pathology from Kangwon National University, Republic of Korea in 2012. MSc in Plant Pathology from Kangwon National University in 2008. BSc in Microbiology from National College of Technical Sciences, Nepal in 2005.

**Awards:** Best Ecopeace leadership (EPLC) Fellow (2019) by Ministry of Environment, Republic of Korea. Nepal Vidhya Bhusan 'Ka' (2016) by Government of Nepal.

**Expertise:** Molecular Biology. PCR. Bioinformatics. Cloning. Plant Microbe Interaction. Biological Control.

**Professional Affiliation:** Himalayan College of Agricultural Sciences and Technology, Kalanki, Kathmandu Nepal. Institute of Agriculture and Animal Sciences, Kirtipur, Kathmandu, Nepal. Agriculture and Forestry University (AFU), Rampur, Chitwan.

**Correspondence:** **Mailing Address:** GPO Box 2356, Kathmandu Nepal. **Phone number/Cell:** 9841353335. **E-mail:** anushresthaedu@gmail.com



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#### 45. Anusuya Joshi (F; 1974; Lalitpur, Nepal)

**Category:** Environmental Science.

**Current Affiliation:** Senior Environmental Safeguard Expert, Minigridd Energy Access Project, Alternative Energy Promotion Centre, Khumaltar, Lalitpur, Nepal.

**Past Experiences:** Environmental Expert, Melamchi Subproject II Project Implementation Directorate. Chairperson, LUZZA Nepal. Project Officer, Urban Health-Resource Centre for Primary Health Care.

**Education:** PhD in Environmental Science-Community Based Waste Management Strategies in Relation to a Targeted Nepalese Community from Victoria University, Australia in 2016. MSc in Environmental Science-pH Neutralisation in Industries from Victoria University in 2006. BSc from Patan Multiple College, Nepal in 1995.

**Awards:** Champions for the Environment and Climate Action (2018) by Australian Embassy. Australia Awards Scholarship (2011) by Australian Embassy. Australian Development Scholarship (2004) by Australian Embassy. Nepal Vidhya Bhusan 'Ka' (2073 BS).

**Expertise:** Solid Waste Management. Water and Wastewater Treatment. Environmental and Social Safeguard.

**Professional Affiliation:** Department of Environmental Engineering, IOE, TU. Department of Environmental Science, Patan Multiple College, TU.

**Correspondence:** **Mailing Address:** Daubahal, Lalitpur-16, Nepal. **Phone number/Cell:** 9851215888. **E-mail:** anusuya.joshi@gmail.com



**46. Archana Mananadhar Kattel (F; 1954; Kathmandu, Nepal)**

**Category:** Chemistry. Food Science. Pharmaceutical and Herbal Medicine.

**Current Affiliation:** President, Abi Kattel Memorial Foundation, 12197 Sunset Point Circle, Wellington, Florida, USA.

**Past Experiences:** Senior Scientist/Project Manager, Vital Pharma, Inc. Lecturer/Research Scientist, Research Center For Applied Scientist and Technology (RECAST) Nepal. Research and Development Scientist, Life Extension, Inc.

**Education:** PhD in Food Chemistry From Colorado State University, United States in 1997. MSc in Chemistry-Synthesis of 3 Methoxy Chromon Derivative From Tribhuvan University, United States In 1979. BSc in Biology From Tri-Chandra College, Nepal, Nepal in 1977.

**Awards:** Best Poster (1993) By Institute of Food Technologist.

**Expertise:** Healthy Diet and Nutrition for Positive Lifestyle to Prevent Disease. Over The Counter Pharmaceutical Products. Quality Control.

**Professional Affiliation:** Sigma Xi. Institute of Food Technologist. Florida Nepal Association.

**Correspondence:** **Mailing Address:** 12197 Sunset Point Circle. **Phone Number/Cell:** 5616356242. **E-Mail:** archana.kattel@gmail.com.



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**47. Archana Pandey Bista (F; 1973; Kathmandu, Nepal)**

**Category:** Nursing.

**Current Affiliation:** Associate Professor, Maharajgunj Nursing Campus (IOM), Maharajgunj, Kathmandu.

**Past Experiences:** Research and Education Science Head of Department (HOD), Maharjung Nursing Campus (MNC), IOM. Coordinator of Research and Publication Committee and Vice-President (2016-Till date), Midwifery Society of Nepal (MIDSON). Member of Education Committee, Nepal Nursing Council (NNC).

**Education:** PhD in Elderly Health Problems and Issues from IOM, TU, Nepal in 2017. MSc in Women Health and Development from IOM, TU, Nepal in 2005. BSc in Hospital Nursing from IOM, TU, Nepal in 2000.

**Awards:** Nepal Vidhya Bhushan 'Ka' (2017) by Government of Nepal. Best Teacher Award (2006) by IOM Dean.

**Expertise:** Teaching. Research. Midwifery. Leadership and Management. Qualitative and Mixed Methods. Advocacy for Midwives.

**Professional Affiliation:** Maharajgunj Nursing Campus. Midwifery Society of Nepal. Nepal Nursing Council.

**Correspondence:** **Mailing Address:** Sanepa, Lalitpur-2, Nepal. **Phone number/Cell:** 9841587917. **E-mail:** archupbo6@gmail.com



#### 48. Arjun Bhattarai (M; 1986; Chitwan, Nepal)

**Category:** Engineering.

**Current Affiliation:** Chief Technology Officer, V-Flow Tech Pvt Ltd, 1 Cleantech Loo, #02-26, Singapore.

**Past Experiences:** Co-founder, Namuna Biomass Pvt Ltd. Research Assistant, Fraunhofer Institute of Solar Energy Systems.

**Education:** PhD in Flow Batteries Development for Energy Storage from Nanyang Technological University, Singapore in 2018. MSc in Performance Improvement in Fuel Cells from University of Duisburg Essen, Nepal in 2012. BSc in Production of Biomass Briquette from Waste from Institute of Engineering, Tribhuvan University, Nepal in 2009.

**Awards:** SINGA (2014) by Singapore. NRW award (2010) by Germany.

**Expertise:** Energy Storage. Biomass Energy. Vanadium Redox flow Batteries.

**Professional Affiliation:** Nepal Engineering Association.

**Correspondence:** **Mailing Address:** #09-311, Jurong East Street 21, Singapore 600211. **Phone number/Cell:** +65 86207113. **E-mail:** arjun.net@gmail.com



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#### 49. Arjun Thapa (M; 1984; Syangja, Nepal)

**Category:** Ecology.

**Current Affiliation:** Research Director, Small Mammals Conservation and Research Foundation.

**Past Experiences:** Program Coordinator, Small Mammals Conservation and Research Foundation. Research Associate (Consultant), National Trust for Nature Conservation-Biodiversity Conservation Centre, Sauraha, Chitwan. Program Officer, Small Mammals Conservation and Research Foundation.

**Education:** PhD in Ecology-Conservation Ecology and Genetic of Red Panda *Ailurus fulgens* Across Entire Range from University of Chinese Academy of Sciences, Institute of Zoology, China in 2018. Regional Master's Degree in Biodiversity and Environmental Management-Land Covers Change and Habitat Occupancy of Large Mammals in Biological Corridor: Laljhadi-Mohana Biological Corridor, Far Western Nepal from Central Department of Botany, Tribhuvan University, Nepal in 2014. MSc in Zoology from Central Department of Zoology, TU, Nepal in 2008. BSc in Zoology from Tribhuvan Multiple Campus, Tribhuvan University, Nepal in 2006.

**Awards:** CAS-TWAS President Fellowship (2014-2018) by University of Chinese Academy of Science and The World Academy of Sciences. NOMA Master Fellowship (2012-2014) by University of Bergen, Norway and Tribhuvan University, Nepal.

**Expertise:** Ecology. Conservation Biology. Conservation Genetics.

**Professional Affiliation:** Small Mammals Conservation and Research Foundation, PO Box 9092, Sundhara, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** PO Box 11191, Sundhara, Kathmandu. **Phone number/Cell:** 9860844702. **E-mail:** thapa.nature@gmail.com



**50. Armila Rajbhandari (Nyachhyon) (F; 1968; Lalitpur, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Professor, Central Department of Chemistry, TU, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Associate Professor, Tribhuvan University. Lecturer, TU.

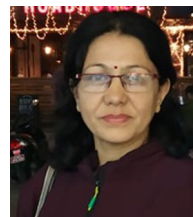
**Education:** PhD in Investigation of inorganic salt-based ion Selective Electrode from Tribhuvan University, Nepal in 2012. MSc in Inorganic Chemistry from TU, Nepal in 1992. BSc in Chemistry, Biology from Tribhuvan University, Nepal in 1989.

**Awards:** Mahila Bigyan Tatha Prabidhi Puraskar (2019) by Nepal Academy of Science and Technology. Nepal Vidhya Bhusan 'Ka' (2013) by Ministry of Education, Government of Nepal. Educational Prize (2006) by Ministry of Education, Government of Nepal.

**Expertise:** Electrochemistry. Carbon Chemistry. Water Chemistry.

**Professional Affiliation:** Central Department of Chemistry, TU.

**Correspondence:** **Mailing Address:** Central Department of Chemistry, TU, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 01-4332034 (Office), 01-6221130(Resident), 9841243565. **E-mail:** armila3@yahoo.com



**51. Arnico Kumar Panday (M; 1974; Kathmandu, Nepal)**

**Category:** Atmospheric Science. Climate Science.

**Current Affiliation:** Trustee and Interim CEO, Ullens Education Foundation, Sheetal Marg, Khumaltar, Lalitpur-15, Nepal.

**Past Experiences:** Professor, University of Virginia. Post-Doctoral Research Associate, Princeton University.

**Education:** DSc in The Diurnal Cycle of Air Pollution in the Kathmandu Valley, Nepal from Massachusetts Institute of Technology (MIT), United States in 2006. MSc in Land Resources, Environmental Studies from University of Wisconsin - Madison, United States in 1998. Environmental Science and Public Policy from Harvard University, United States in 1997.

**Awards:** Carl-Gustaf Rossby Prize for Best Doctoral Thesis (2006) by Program in Atmospheres, Oceans and Climate, MIT. Award for Excellence in Teaching (2004) by Massachusetts Institute of Technology. Martin Fellowship for Sustainability (2000-02) by Massachusetts Institute of Technology.

**Expertise:** Atmospheric Science. Particularly Air Pollution and Climate in Mountain Areas. Regional and Global Environmental Policy. Sustainable Landscape Planning.

**Professional Affiliation:** Advisory Board Member, American Geophysical Union. Nepal Economic Forum.

**Correspondence:** **Mailing Address:** Ullens Education Foundation, Sheetal Marg, Khumaltar, Lalitpur-15. GPO Box 8975 PC1477, Nepal. **Phone number/Cell:** +977-9851091702. **E-mail:** arnico@ullens.edu.np



**52. Arun Gupta (M; 1984; Udayapur, Nepal)**

**Category:** Health. Medicine.

**Current Affiliation:** Assistant Professor, Department of Radiology and Imaging, BPKIHS, Dharan, Nepal.

**Past Experiences:** Assistant Professor, BPKIHS, Dharan. PhD Fellow, Seoul National University (SNU), South Korea. Senior Demonstrator and Radiation Safety Officer, BPKIHS, Dharan.

**Education:** PhD in Nuclear Medicine-Voxel-based Personalized Dosimetry in Targeted Radionuclide Imaging and Therapy of Cancer Using PET/CT and SPECT/CT Imaging from Seoul National University (SNU), Republic of Korea in 2018. MSc in Nuclear Medicine-Estimation of Standardized Threshold Intensity Value of PET Images for The Calculation of Tumor Burden Using PET/CT Images of Pediatric lymphoma Patients from All India Institute of Medical Sciences (AIIMS), New Delhi, India in 2010. BSc in Medical Imaging Technology from BPKIHS, Dharan, Nepal in 2007.

**Awards:** Asian Young Investigator Award (2019) by Japanese Society of Nuclear Medicine, Japan. SNU President Fellowship (2015) by Seoul National University (SNU), South Korea. Young Investigator Award (2014) by AOCR, Japan.

**Expertise:** Nuclear Medicine and Molecular Imaging Using PET/CT, SPECT/CT, PET/MRI, Cyclotron Operation for The Production of PET Radiopharmaceuticals. Medical and Occupational Radiation Protection in Diagnostic Radiology and Nuclear Medicine. Personnel Radiation Monitoring using TLD. Quality Assurance of Diagnostic Radiology and Nuclear Medicine Equipment.

**Professional Affiliation:** BP Koirala Institute of Health Sciences (BPKIHS), Dharan, Nepal.

**Correspondence:** **Mailing Address:** Department of Radiology & Imaging, BPKIHS, Dharan, Nepal. **Phone number/Cell:** 9852056378. **E-mail:** arunaiims1984@gmail.com



**53. Arun Kumar Koirala (M; 1962; Morang, Nepal)**

**Category:** Public Health.

**Current Affiliation:** Professor, Pokhara University, Lekhnath, Pokhara-30, Kaski, Nepal.

**Past Experiences:** Health Promotion Officer, Britain Nepal Medical Trust, Nepal. Regional TB Coordinator, WHO, Nepal. Health Consultant (Coordinator), Relief International, Myanmar.

**Education:** PhD in Impact of Community Based Integrated Management of Childhood Illness in 'Urawn' Ethnic Community of Nepal with Special Reference to Acute Respiratory Infection from Sam Higginbottom University, India in 2016. MPH in Proportion of Low Birth-Weight and Its Relation to Cultural and Socio-Economic Factors Among the Mother in Morang Nepal from State University of Bangladesh, Bangladesh in 2007. PGDHE in Knowledge and Practices of Community People Towards Leprosy Patients from The Tamilnadu Dr. MGR Medical University, India in 1995.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2017) by President of Nepal. Nepal Vidhya Bhusan 'Kha' (2010) by President of Nepal. Earthquake Victim Relief Service Medal (1988) by Queen of Nepal.

**Expertise:** Participatory Training Conducting. Facilitation/Motivation and Conflict Resolution. Administration and Management. Teaching Learning and Research.

**Professional Affiliation:** Pokhara University, Lekhnath, Pokhara-30, Kaski, Nepal. Enablement Nepal, Maharajgunj, Kathmandu, Nepal. Purbanchal University, Gothgaun, Morang, Nepal.

**Correspondence:** **Mailing Address:** School of Health and Allied Sciences, Pokhara University, Lekhnath, Pokhara-30, Kaski, Nepal. **Phone number/Cell:** 9849264178. **E-mail:** arunkoirala@gmail.com; arunkoirala4@yahoo.com



**54. Arvind Kumar Keshari (M; 1961; Rautahat, Nepal)**

**Category:** Zoology. Agriculture.

**Current Affiliation:** Professor, Patan M. Campus, TU, 104/17 Himshikhar Marg, Minbhawan, Kathmandu.

**Past Experiences:** Research Scientist, Research Lab for Biotech and Biochem (RLABB), Sanepa. Member, Scholarship Program, Ministry of Education, Government of Nepal. Member, Peer Review Team, QAA, University Grants Commission, Nepal.

**Education:** PhD in Plant Nematology from Tribhuvan University, Nepal in 2019. MSc in Zoology (Parasitology) from Tribhuvan University, Nepal in 1984. BSc in Zoology, Botany, Chemistry from Bihar University, Bihar, India in 1981.

**Awards:** Research Grant (1990) by NAST, Kathmandu, Nepal. Travel Grant for USA (1991) by USAID (Workshop on Plant Nematodes). Faculty Research Grant (2013) by UGC/Nepal.

**Expertise:** Plant Nematode Taxonomy. Management. Biocontrol. Teaching. Biology Book Writing (Published Books-6).

**Professional Affiliation:** Member, Plant Protection Society, Nepal. Member, Society of Plant Protection Sciences, India. Member, Nematological Society of India.

**Correspondence:** **Mailing Address:** 104/17 Himshikhar Marg, Minbhawan, Kathmandu, Nepal. **Phone number/Cell:** 9841382353/01-4107796. **E-mail:** arvind.k.keshari@hotmail.com



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**55. Arvind Pathak (M; 1974; Mahottari, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Lecturer, Tri-Chandra Campus, Tribhuvan University, Ghantaghar, Kathmandu.

**Past Experiences:** Teaching Assistant, Tri-Chandra Campus, Tribhuvan University.

**Education:** PhD in A Laboratory Scale Synthesis of Geopolymer from Construction Wastes from Tribhuvan University, Nepal in 2016. MSc in Chemistry from Tribhuvan University, Nepal in 1998. BSc in Physics, Chemistry, Mathematics from Tribhuvan University, Nepal in 1996.

**Awards:** PhD (1996) by Tribhuvan University.

**Expertise:** Geopolymer.

**Professional Affiliation:** Department of Chemistry, Tri-Chandra Campus, Ghantaghar.

**Correspondence:** **Mailing Address:** Department of Chemistry, Tri-Chandra Campus, Gantaghar, Kathmandu. **Phone number/Cell:** 9841440284. **E-mail:** apathak2070@gmail.com



### 56. Arvind Srivastava (M; 1962; Rupandehi, Nepal)

**Category:** Horticulture. Olericulture.

**Current Affiliation:** Professor, Agriculture and Forestry University (AFU), Rampur, Chitwan, Nepal.

**Past Experiences:** Assistant Horticulture Officer, Ministry of Agriculture, Nepal.

**Education:** PhD in Horticulture-Response of Brinjal Varieties to Growing Seasons and Nutrient Management Levels in The Mid-Western Terai of Nepal from Institute of Agriculture and Animal Science, Tribhuvan University, Nepal in 2012. MSc in Horticulture-Effect of Nitrogen, Phosphorus and Potassium on Growth and Yield of Cauliflower from Institute of Agricultural Sciences, Banaras Hindu University, India in 1986. BSc in Agriculture from Institute of Agricultural Sciences, Banaras Hindu University, India in 1984.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2013) by President, Government of Nepal.

**Expertise:** Vegetable Production. Olericulture. Vegetable Seed Production.

**Correspondence:** **Mailing Address:** Department of Horticulture, Faculty of Agriculture, AFU, Rampur, Chitwan, Nepal. **Phone number/Cell:** 9845122084. **E-mail:** sriarvind24@gmail.com



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### 57. Ashim Dhakal (M; 1983; Kathmandu, Nepal)

**Category:** Communication. Instrumentation. Engineering. Physics. Spectroscopy. Nanotechnology. Photonics.

**Current Affiliation:** Scientist, Phutung Research Institute, Tarakeshwor 5, Kathmandu, Nepal.

**Past Experiences:** Scientist, imec, Belgium. Doctoral Scholar, Ghent University, Belgium. Executive Engineer, Ncell Pvt Ltd, Nepal.

**Education:** PhD in Photonics Engineering from Ghent University, Belgium in 2016. Erasmus Mundus Masters in Photonics from University of St Andrews, United Kingdom and Ghent University, Belgium in 2011. BTech in Electronics and Instrumentation Engineering from National Institute of Technology, Rourkela, India in 2005.

**Awards:** Ghent University Doctoral Fellowship (2011) by Ghent University, Belgium. Erasmus Mundus Scholarship (2009) by European Union. Colombo Plan (Nepal Aid) Scholarship (2005) by Government of India.

**Expertise:** Nanophotonics. Spectroscopy. Instrumentation.

**Professional Affiliation:** Phutung Research Institute, Kathmandu, Nepal. Member, IEEE. Member, OSA.

**Correspondence:** **Mailing Address:** PO Box 12335, Kathmandu, Nepal. **Phone number/Cell:** 9802084408. **E-mail:** ashim.dhakal@gmail.com



**58. Ashok Khanal (M; 1980; Jhapa, Nepal)**

**Category:** Organic Chemistry.

**Current Affiliation:** Assistant Professor, Finlandia University, Hancock, Michigan, USA.

**Past Experiences:** GTA/GRA/Supervisor, Michigan Tech University. Head of Department, Chemistry, NIST, Lainchaur.

**Education:** PhD in Solid Phase Synthesis of Pegs, Rupture Force Measurement of Triazole Ring and Surface Modification from Michigan Technological University, United States in 2018. Msc in Organic Chemistry from Central Department of Chemistry, TU, Nepal in 2004. BSc in Chemistry from Tri-Chandra College, TU, Nepal in 2001.

**Awards:** Dean Award (2018) By Graduate School, Michigan Tech University. First Place Poster Award (2014) by American Chemical Society, UP, Michigan. Best Research and Teaching Award (2016-2017) by Department of Chemistry, Michigan Tech University.

**Expertise:** Organic Synthesis. Solid Phase Synthesis. Rupture Force Measurement of Covalent Bond by AFM. Chemical Modification of Surface. Teaching and Mentoring Undergraduate and Graduate Students.

**Professional Affiliation:** Finlandia University, MI, USA. Michigan Tech University, MI, USA. National School of Sciences, Lainchaur, Nepal.

**Correspondence:** **Mailing Address:** 511 Hancock St, 49930. **Phone number/Cell:** 9195920876. **E-mail:** khanal@mtu.edu, ashok.khanal@finlandia.edu



**59. Atmika Paudel (F; 1982; Kathmandu, Nepal)**

**Category:** Microbiology. Antibiotic Discovery.

**Current Affiliation:** Researcher, Teikyo University Institute of Medical Mycology, Otsuka 359, Tokyo, 192-0395, Japan.

**Past Experiences:** Post-Doctoral Fellow, Teikyo University. Post-Doctoral Researcher, The University of Tokyo. Quality Control Officer, Chemidrug Industries Pvt Ltd.

**Education:** PhD in Pharmaceutical Biology-Mechanistic Analysis of Novel Therapeutically Effective Antimicrobial Agents Identified Using Silkworm Bacterial Infection Model from Graduate School of Pharmaceutical Sciences, The University of Tokyo, Japan in 2013. MSc in Pharmaceutical Biology-Use of Silkworm Bacterial Infection Model to Identify Novel Therapeutically Effective Antibiotic from Graduate School of Pharmaceutical Sciences, The University of Tokyo, Japan in 2010. BSc in Pharmacy-Phytochemical and Biological Screening of *Rhododendron campanulatum* from Tribhuvan University, Institute of Medicine, Nepal in 2005.

**Awards:** KAKENHI Grant-in-Aid for Early-Career Scientists (2019) by Japan Society for The Promotion of Science, Ministry of Education, Culture, Sports, Science and Technology, Japan. The Tokyo Biochemical Research Foundation Research Award (2015) by The Tokyo Biochemical Research Foundation, Japan. Nepal Vidhya Bhushan 'Ka' (2014) by Government of Nepal.

**Expertise:** Microbiology. Antibiotic Drug Discovery. Molecular Biology and Genetics.

**Professional Affiliation:** Teikyo University Institute of Medical Mycology.

**Correspondence:** **Mailing Address:** 192-0363 Tokyo, Hachioji, Bessho 2-16-2-1004. **Phone number/Cell:** +818035827616. **E-mail:** atmikapd@gmail.com



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**60. Babita Paudel (F; 1980; Kathmandu, Nepal)**

**Category:** Natural Product. Microbiology.

**Current Affiliation:** Post-Doctoral Researcher, Central Department of Biotechnology, Kritipur, Kathmandu.

**Past Experiences:** Georg Forster, Renewed Stay Researcher, Department of Pharmaceutical Biology, University of Tuebingen, Germany. Post-Doctoral Researcher, Korea Polar Research Institute, Incheon, South Korea. Georg Forster Post-Doctoral Researcher, Department of Organic and Bio-molecular Chemistry, University of Goettingen, Germany.

**Education:** PhD in Isolation and Characterization of Antibacterial and Antioxidant Compounds from the Antarctic Lichen Ramalina Terebrata from Soonchunhyang University, South Korea in 2006. MSc in Botany from Central Department of Botany, Kritipur, Nepal in 2005. BSc in Biology from Tri-Chandra College, Nepal in 2002.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2015) by Ministry of Education, Government of Nepal. Emerging Talent Award in the Field of Science and Technology (2016) by Shree Lunkaran Das-Ganga Devi Chaudhary Academy for Art and Literature.

**Expertise:** Microbial Technique. Natural Product. Evaluation of Various Biological Activities (Antimicrobial, Antioxidant, Anticancer, Tyrosinase, Antidiabetic).

**Professional Affiliation:** University of Tuebingen, Germany. Korea Polar Research Institute, Incheon, South Korea. University of Goettingen, Germany.

**Correspondence:** **Mailing Address:** Madan Nagar, Balkhu, Kathmandu-14, Nepal. **Phone number/Cell:** 9851190189. **E-mail:** paudel36@hotmail.com



**61. Babu Ram Paudel (M; 1976; Kaski, Nepal)**

**Category:** Ecology.

**Current Affiliation:** Assistant Professor, Department of Botany, Prithvi Narayan Campus, Tribhuvan University, Pokhara.

**Past Experiences:** Post-Doctoral Fellow, Laboratory of Ecology and Evolutionary Biology, Yunnan University, Kunming, China. Assistant Professor, Department of Botany, Prithvi Narayan Campus, Tribhuvan University, Pokhara, Nepal.

**Education:** PhD in Evolutionary Biology from Xishuang Banna Tropical Botanical Garden, University of Chinese Academy of Sciences, China in 2015. MSc in Botany from Tribhuvan University, Nepal in 2003. BSc in Botany from Tribhuvan University, Nepal in 1999.

**Awards:** High-Quality Research Publication Award (2019) by Yunnan University, Kunming, China. Outstanding Post-Doctoral Award (2018) by the Government of People's Republic of China. Outstanding PhD Award (2015) by Laboratory of Plant Evolutionary Ecology, Xishuangbanna Tropical Botanical Garden.

**Expertise:** Evolutionary Biology. Plant-Animal Interaction. Co-evolution and Speciation.

**Professional Affiliation:** Department of Botany, Prithvi Narayan Campus, Tribhuvan University, Pokhara, Nepal.

**Correspondence:** **Mailing Address:** House No 58.1, Kanya Marga, Nadipur, Pokhara-3, Kaski, Nepal. **Phone number/Cell:** 9841240864. **E-mail:** brp2033@gmail.com



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**62. Babu Ram Pokharel (M; 1975; Lalitpur, Nepal)**

**Category:** Medicine.

**Current Affiliation:** Principal Consultant Neurologist, Nepal Mediciti Hospital, Lalitpur.

**Past Experiences:** Senior Consultant Neurologist, Sumeru Hospital. Associate Professor, Kathmandu University, Dhulikhel Hospital.

**Education:** DM in Neurology from Kathmandu University, Nepal in 2014. MD (Internal Medicine) In Diabetes and Lipids, Autonomics Nervous System from Manipal, India in 2008. MBBS From Dhaka University, Bangladesh in 2002.

**Awards:** Faculty World Congress of Neuro Rehab 2018 by World Congress of Neuro Rehab.

**Expertise:** Stroke Management. Epilepsy Management. Demylinating Disease.

**Correspondence:** **Mailing Address:** Godawari-3 Lalitpur, Nepal. **Phone number/Cell:** 9841929745. **E-mail:** drbrpokh@gmail.com



**63. Baidya Nath Mahto (M; 1960; Siraha, Nepal)**

**Category:** Agriculture (Plant Pathology).

**Current Affiliation:** Former Executive Director and Principal Scientist (Plant Pathology), Nepal Agricultural Research Council (NARC), Mirchaiya-2 Siraha, Nepal.

**Past Experiences:** Hon. Member, NitiAyog (Provincial Planning Commission) Province No. 2, Janakpurdham, Dhanusha, Nepal. Executive Director, Nepal Agricultural Research Council (NARC), Kathmandu, Nepal. Former, Chief and Principal Scientist (S6), Agriculture Plant Pathology, Plant Pathology Division, Nepal Agricultural Research Council (NARC) Lalitpur, Nepal.

**Education:** PhD in Plant Pathology from Indian Agriculture Research Institute (IARI), New Delhi, India in 2000. MSc in Plant Pathology from ND University of Agriculture and Technology, Faizabad, India in 1986. BSc in Plant Pathology from ND University of Agriculture and Technology, Faizabad, India in 1984.

**Awards:** University Gold Medal (1984) by ND University of Agriculture and Technology, Faizabad, India. Vice-Chancellor's Gold Medal (1986) by N.D. University of Agriculture and Technology, Faizabad, India. Suprabal Jansewasri Bibhushan (2016) by Rt. Hon. President of Nepal, Bidhya Devi Bhandari.

**Expertise:** Plant Pathological Research: Cereals, Legumes, Fruits and Vegetables, Especially in Wheat Foliar Blight, Rusts, Rice and other Crop Diseases, Teaching Plant Pathology and Pest Risk Analysis (PRA), Policy and Planning of Agriculture Sector Research and Development.

**Professional Affiliation:** Adjunct Professor in Plant Pathology, Himalayan College of Agricultural Sciences and Technology (HICAST), PU, Kirtipur, Kathmandu, Nepal. Nepal Agricultural Research Council (NARC), Singhdarbarplaza, Kathmandu, Nepal. Vice-Chairman, Society of Nepal Agricultural Research Council Pensioner (SONARP).

**Correspondence:** **Mailing Address:** Suryabinayak-3, Brahamnagar Naya Thimi, Bhaktapur. **Phone number/Cell:** 016637043, 9851221303, 9841363750. **E-mail:** bnmahto\_7@yahoo.com



**64. Baidya Nath P. Sah (M; 1979; Sunsari, Nepal)**

**Category:** Food Science.

**Current Affiliation:** Post-Doctoral Scholar, Oregon State University, Corvallis, OR 97331, USA.

**Past Experiences:** Technical Officer, Dairy Development Corporation, Lainchour, Kathmandu, Nepal.

**Education:** PhD in Identification of Bioactive Peptides Produced in Symbiotic Yogurt Having Anticancer Properties from Victoria University, Australia in 2016. MTech in Food Technology from Tribhuvan University, Nepal in 2004. BTech in Food Technology from Tribhuvan University, Nepal in 2002.

**Awards:** Australia Awards Scholarships and Australia Awards Leadership Program (2012) by The Australian Government.

**Expertise:** Dairy Science. Bioactive Protein and Peptide. Yogurt.

**Professional Affiliation:** Tribhuvan University. Victoria University. Oregon State University.

**Correspondence:** E-mail: baidyasah@gmail.com



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**65. Bal Krishna Bal (M; 1977; Bhojpur, Nepal)**

**Category:** Computer Science. Engineering.

**Current Affiliation:** Associate Professor, Kathmandu University, Department of Computer Science and Engineering, Dhulikhel, Kavre, Nepal.

**Past Experiences:** Project Manager, Madan Puraskar Pustakalaya.

**Education:** PhD in Natural Language Processing from Kathmandu University, Nepal in 2015. MSc in Informatics and Computer Engineering from Volgograd State Technical University, Russian Federation in 2004. BSc in Informatics and Computer Engineering from Volgograd State Technical University, Russian Federation in 2002.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2017) by Government of Nepal.

**Expertise:** Software Localization. Natural Language Processing. Machine Learning.

**Correspondence:** **Mailing Address:** Department of Computer Science and Engineering, School of Engineering, Kathmandu University, Dhulikhel, Kavre. Nepal. **Phone number/Cell:** 9851083570. **E-mail:** bal@ku.edu.np



**66. Bal Krishna Joshi (M; 1967; Lamjung, Nepal)**

**Category:** Agriculture. Genetics and Plant Breeding. Statistics. Agrobiodiversity. Biotechnology.

**Current Affiliation:** Senior Scientist, Nepal Agricultural Research Council, National Genebank, Khumaltar, Lalitpur.

**Past Experiences:** Scientist-Biotechnology Division, NARC. Agriculture and Livestock Development. Coordinator-USCCN, Nepal.

**Education:** PhD in Plant Genetics and Breeding-Diversity Analysis of Tartary Buckwheat (*Fagopyrum tataricum* Gaertn.) in Nepal from University of Tsukuba, Japan in 2011. MSc in Plant Genetics and Breeding-Assessment of the Potential of Nepalese Rice Cultivars and Landraces for Hybrid Production from IAAS, Rampur, Nepal in 2000. BSc in Genetics and Plant Breeding from IAAS, Rampur, Nepal in 1992.

**Awards:** Technology Award (2015) by Nepal Academy of Science and Technology Nepal. Most Outstanding Principal Investigator (2016) by AFACI, Korea. Science and Technology Youth Award (2007) by NAST, Nepal.

**Expertise:** Plant Breeding. Agrobiodiversity. Agricultural Biotechnology. Agricultural Statistics.

**Professional Affiliation:** Plant Breeding and Genetics Society of Nepal, Khumaltar, Lalitpur. Society of Agricultural Scientist-Nepal, Khumaltar, Lalitpur. Nepal Biotechnology Association, Baneshwor, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** National Genebank, PO Box 3055, Khumaltar, Lalitpur. **Phone number/Cell:** 9863020222. **E-mail:** joshibalak@yahoo.com



**67. Bal Kumari Oliya (F; 1986; Lamjung, Nepal)**

**Category:** Crop Science. Biotechnology.

**Current Affiliation:** Post-Doc, Central Department of Botany, TU, Kirtipur, Kathmandu.

**Past Experiences:** Researcher, Crop Genomics Lab, Seoul National University, Republic of Korea, Researcher, Green Research and Technology (GREAT) Nepal, Teacher Shree Bhairab Secondary School, Lamjung, Nepal.

**Education:** PhD in Genetic Diversity of Indian lettuce (*Lactuca indica* Linn.) and In-Vitro Propagation from Seoul National University, Republic of Korea in 2018. MSc in Diagnosis of Citrus Greening (Huanglongbing) disease by PCR and *Citrus tristeza* Virus by DAS-ELISA Techniques from Different Parts of Nepal from TU, Nepal in 2014. BSc in Microbiology, Botany from Tri-Chandra Multiple College, TU, Nepal in 2008.

**Awards:** Certificates of 1st Position in Oral Presentation at Nepal Academy of Science and Technology (NAST) During World DNA Day (2019) by Biotechnology Society of Nepal. Certificates of Awards for Successful Completion of ELISA Technique (2012) by Biotech Academy of Nepal for Research and Development (BRAND) in Association with Green Research and Technology Nepal.

**Expertise:** Biotechnology. Molecular Breeding. Medicinal Plants.

**Professional Affiliation:** Central Department of Botany, TU, Kirtipur, Kathmandu. Warm Temperate Horticulture Centre, Kirtipur, Kathmandu. Rainas Agro Farm and Research Centre, Lamjung.

**Correspondence:** **Mailing Address:** Rainas-9, Lamjung, Nepal. **Phone number/Cell:** 9841728089. **E-mail:** balkumarioliya1@gmail.com



**68. Bal Kumari Sharma Khanal (F; 1974; Sunsari, Nepal)**

- Category:** Food Science and Technology. Food Engineering. Dairy Technology. Food Chemistry. Human Nutrition.
- Current Affiliation:** Food Research Officer, Ministry of Agriculture and Livestock Development, Singhadurbar, Kathmandu.
- Past Experiences:** Food Research Officer (2013-2018), Department of Food Technology and Quality Control. Food Technologist (2005-2013), Department of Food Technology and Quality Control. Nutritionist (Part Time) (1998-1999), Charity International Nepal.
- Education:** PhD in Manipulation of Textural Properties of Low Fat Cheddar Cheese from The University of Queensland, Australia in 2018. MSc in Prevalence and Safety Concerns of Antibiotic Residue in Dairy Milk of Kathmandu Valley, Nepal from Asian Institute of Technology, Thailand in 2011. BSc in Preparation and Quality Evaluation of Soy-Maize Tempeh from Central Campus of Technology, Tribhuvan University, Nepal in 1998.
- Awards:** Merit Scholarship for BTech Study (1994-1998) by Tribhuvan University, Central Campus of Technology. Joint Japan World Bank Scholarship to Pursue Master's Degree in Thailand (2009-2011) by Joint Japan World Bank. Endeavour Post Graduate Scholarship for PhD in Australia (2014-2018) by Australia Awards.
- Expertise:** Dairy and Cheese Technology. Food Engineering. Food Science and Human Nutrition. Food Science and Technology.
- Professional Affiliation:** Life Member, Nepal Food Scientists and Technologist's Association (NEFOSTA). Life Member, Women in Science and Technology (WIST), Nepal. Member, Australian Institute of Food Science and Technology (AIFST), Australia.
- Correspondence:** **Mailing Address:** PO Box 13108, Charkhal, Kathmandu. **Phone number/Cell:** 014315710, 9841491749. **E-mail:** balkumari.sharma@gmail.com



**69. Balkrishna Ghimire (M; 1981; Rupandehi, Nepal)**

- Category:** Botany.
- Current Affiliation:** Post-Doctoral Researcher, Korea National Arboretum, 415 Gwangenung Sumokwon-ro, Soheul-eup, Pocheon-si, Gyeonggi-do, 11186 Korea.
- Past Experiences:** Post-Doctoral Researcher, Kangwon National University. Lecturer, Tri-Chandra Campus, Kathmandu.
- Education:** PhD in Botany from Kangwon National University, Republic of Korea in 2012. MSc in Botany from Tribhuvan University, Nepal in 2005. BSc in Botany from Tribhuvan University, Nepal in 2002.
- Awards:** Best Researcher Award (2018) by Korea National Arboretum. Best Researcher Award (2017) by Korea National Arboretum. Best KNU Scholarship (2008) by Kangwon National University.
- Expertise:** Plant Morphology and Anatomy. Plant Systematics. Plant Ecology.
- Correspondence:** **Mailing Address:** Sainamaina-4, Rupandehi, Nepal. **Phone number/Cell:** 9841965821. **E-mail:** ghimire2ab@gmail.com



**70. Balram Bhatta (M; 1968; Makwanpur, Nepal)**

**Category:** Forestry. Environmental Science. Forest Ecology.  
**Current Affiliation:** Professor, Agriculture and Forestry University, Faculty of Forestry, Hetauda, Makwanpur.

**Past Experiences:** Dean, Faculty of Forestry, Agriculture and Forestry University. Deputy Director, Directorate of Research and Extension, Agriculture and Forestry University. Coordinator of Subject Committee (Forestry), Council of Technical Education and Vocational Training.

**Education:** PhD in Forest Ecology from Kyoto University, Japan in 2003. MSc in Forest Ecology from Kyoto University, Japan in 2000. BSc from LNM University, India in 1996.

**Awards:** Minister Gopal Rai and Mrs Sarad Kumar Rai Memorial Research Award (2009) by MemCoE/IOF. Mahendra Vidhya Bhusan 'Ka' (2003) by Ministry of Education Nepal. Monbusho Scholarship (1996) by Education Ministry of Japan.

**Expertise:** Climate Change. Forest Ecology. Fire Ecology.

**Professional Affiliation:** Agriculture and Forestry University. Council of Technical Education and Vocational Training. FRTC, Ministry of Forest and Environment.

**Correspondence:** **Mailing Address:** Budhapath, Kamaldanda, Hetauda-4, Nepal. **Phone number/Cell:** 9855069625. **E-mail:** bbhatta@afu.edu.np



**71. Basanta Joshi (M; 1983; Kathmandu, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Assistant Professor, Institute of Engineering, Pulchowk Campus.

**Past Experiences:** Software Engineer, D2hawkeye. Research Assistant, Osaka Sangyo University, Japan.

**Education:** PhD in Three Dimensional Volumetric Particle Tracking Velocimetry Based on A Tomographic Reconstruction Technique from Osaka Sangyo University, Japan in 2013. MSc in Information and Communication Engineering from Institute of Engineering, Tribhuvan University, Nepal in 2008. BE in Electronics and Communication Engineering from Institute of Engineering, Tribhuvan University, Nepal in 2005.

**Awards:** Vidhya Bhusan (2014) by President of Nepal.

**Expertise:** Artificial Intelligence. Image Processing. Speech Processing.

**Professional Affiliation:** Nepal Engineering Council. IEEE.

**Mailing Address:** Pulchowk Campus, Institute of Engineering, Pulchowk, Lalitpur, Nepal. **Phone number/Cell:** 9851190040. **E-mail:** basanta@ioe.edu.np.



**72. Basant Kumar Karn (M; 1964; Dhanusa, Nepal)**

**Category:** Zoology.

**Current Affiliation:** Professor, Department of Zoology, RR Multiple Campus, Tribhuvan University, Janakpur.

**Past Experiences:** Reader, Department of Zoology, RR Multiple Campus. Lecturer, RR Multiple Campus, Janakpur. Lecturer, Mahendra MM Campus, Biratnagar. Assistant Lecturer, Siddanath Science Campus, Mahendranagar, Mahakali.

**Education:** PhD in Standardization on Appropriate Culture Package of Carp-Small Indigenous Fish Species (SIS) Polyculture in Nepal from Tribhuvan University, Nepal in 2017. MSc in Zoology-Study on Fish Ecology of Trishuli River from Central Department of Zoology, Tribhuvan University, Kirtipur, Nepal in 1992. BSc in Zoology, Botany, Chemistry from RRMJ Janakpur, TU, Nepal in 1988.

**Awards:** Junior Research Fellowship (1999) by UGC, India. Faculty Research Grants (2013) by UGC, Nepal.

**Expertise:** Molecular Biology Techniques-PCR, SSCP, DNA Isolation. Water Quality Analysis for Aquaculture. Induced Fish Breeding. Fish Diseases Diagnosis and Treatment. Carp SIS Polyculture Technique.

**Professional Affiliation:** JIST, Institute of Science and Technology, Kirtipur, TU. Life Science Institute of India, Bhuvneshwar Orissa. Madhvi Shyam Educational Trust (MSET), Ranchi, Jharkhand, India.

**Correspondence:** **Mailing Address:** Department of Zoology, RRM Campus, Janakpur, Nepal. **Phone number/Cell:** 041-426114, 9854027114. **E-mail:** prof.basant@gmail.com



**73. Basanta Paudel (M; 1984; Rupandehi, Nepal)**

**Category:** Geography. Remote Sensing. GIS. Climate Change Adaptation.

**Current Affiliation:** Post-Doctoral Researcher, Institute of Geographic Sciences and Natural Resources Research (IGSNRR), Chinese Academy of Sciences (CAS), Beijing, China.

**Past Experiences:** PhD Scholar, Institute of Geographic Sciences and Natural Resources Research (IGSNRR), University of Chinese Academy of Sciences (UCAS), Beijing, China.

**Education:** PhD in Physical Geography from Institute of Geographic Sciences and Natural Resources Research (IGSNRR), Chinese Academy of Sciences (CAS), Beijing, China in 2017. MSc in Geography from Central Department of Geography, Tribhuvan University, Nepal in 2009. BSc in Geography from Central Department of Geography, Tribhuvan University, Nepal in 2007.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2017) by Rt Honorable President Bidhya Devi Bhandari, Government of Nepal. Excellent Graduates Award of University of Chinese Academy of Sciences (2017) by University of Chinese Academy of Science. Nepal Vidhya Bhusan 'Kha' (2012) by Rt Honorable President Dr. Ram Baran Yadav, Government of Nepal.

**Expertise:** Geography. Remote Sensing. Geographic Information System (GIS).

**Professional Affiliation:** Institute of Geographic Sciences and Natural Resources Research (IGSNRR), Chinese Academy of Sciences (CAS), Beijing, China.

**Correspondence:** **Mailing Address:** Jia 11, Datun Road, An-ding-men-wai, Beijing 100101, PR China. **Phone number/Cell:** +8613161681501. **E-mail:** paudelb@igsnr.ac.cn



#### 74. Basanta Raj Adhikari (M; 1980; Kaski, Nepal)

**Category:** Earth Science.

**Current Affiliation:** Assistant Professor, Institute of Engineering, Tribhuvan University, Lalitpur.

**Past Experiences:** Assistant Lecturer, Tri-Chandra Campus, Tribhuvan University, Kathmandu, Nepal.

**Education:** PhD in Earth Science from University of Vienna, Austria in 2009. MSc in Geology from Central Department of Geology, Tribhuvan University, Nepal in 2003. BSc in Geology from Tri-Chandra Campus, Tribhuvan University, Nepal in 2001.

**Awards:** Young Affiliates (2017) by The World Academy of Sciences. Young Scientist (2017) by Integrated Research on Disaster Risk. Established Scientist Award (2016) by European Geoscience Union.

**Expertise:** Landslide Early Warning System. Engineering Geology. Hill-Slope Process.

**Professional Affiliation:** Department of Civil Engineering, Institute of Engineering, Tribhuvan University, Lalitpur, Nepal.

**Correspondence:** **Mailing Address:** Institute of Engineering, Tribhuvan University, Lalitpur, Nepal. **Phone number/Cell:** 9851133510. **E-mail:** bradhikari@ioe.edu.np



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#### 75. Basu Dev Pandey (M; 1961; Parbat, Nepal)

**Category:** Medicine.

**Current Affiliation:** Director, Sukra Raj Tropical and Infectious Disease Hospital, Teku, Kathmandu, Nepal.

**Past Experiences:** Director, National Center for AIDS and STD Control. Director, Central Regional Directorate. Deputy Director General, Department of Health Services.

**Education:** PhD in Tropical and Infectious Disease from Nagasaki University, Japan in 2000. MBBS from Tribhuvan University, Nepal in 1991.

**Awards:** Promotion of Science (2006) by NAST. Post-Doctoral Fellowship (2001) by Thomas Jefferson University, USA. Young Scientist Award (1994) by Juntendo University, Japan.

**Expertise:** Pathogenesis of Dengue and Dengue Haemorrhagic Fever. Tropical and Infectious Diseases. Use of Molecular Technology in the Field of Tropical Disease including Tuberculosis, Kalaazar. Rabies Vaccine.

**Professional Affiliation:** Nepal Medical Council (NMC). Nepal Medical Association (NMA). Physician for Social Responsibilities (PSRN).

**Correspondence:** **Mailing Address:** GPO Box 9045, Kathmandu, Nepal. **Phone number/Cell:** 9851065451. **E-mail:** drbasupandey@gmail.com



**76. Basudha Shrestha (F; 1971; Kathmandu, Nepal)**

**Category:** Medical Microbiology.

**Current Affiliation:** Visiting Lecturer, Kathmandu Model Hospital, School of Nursing. Consultant Microbiologist, Phect-Nepal Kathmandu Model Hospital, Exhibition Road, Kathmandu.

**Past Experiences:** Senior Microbiologist, Phect-Nepal, Kathmandu Model Hospital.

**Education:** PhD in Characterization of Multidrug-Resistant (MDR) *Escherichia coli* Isolated from Hospitalized Patients in Tertiary care Centers, Kathmandu, Nepal from Tribhuvan University, Institute of Medicine, Nepal in 2017. MSc in Isolation of *Salmonella* species from Blood and Study of Antibiotic Sensitivity Pattern from Central Department of Microbiology Tribhuvan University Nepal in 1995. BSc in Microbiology, Chemistry, Botany from Tri-Chandra College Tribhuvan University, Nepal in 1992.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2019) by Government of Nepal.

**Expertise:** Microbiology.

**Professional Affiliation:** Phect-Nepal, Kathmandu Model Hospital, Exhibition Road, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** House No 301, Thamel, Kathmandu-26, Nepal. **Phone number/Cell:** 9851030594. **E-mail:** basudha111@gmail.com



**77. Batu Krishna Sharma Kuinkel (M; 1971; Kathmandu, Nepal)**

**Category:** Microbiology. Molecular Biology. Infectious Diseases. Regulatory Affairs.

**Current Affiliation:** Senior Scientist, Duke University Medical Center, North Carolina 27710, USA.

**Past Experiences:** Senior Scientist, Duke University Medical Center. Graduate Research Assistant, University of Nebraska Medical Center. Assistant Professor, Nepal Medical College and Teaching Hospital.

**Education:** PhD in Microbiological Sciences and Immunology from University of Nebraska Medical Center, United States in 2009. MSc in Microbiology from Tribhuvan University, Nepal in 1997. BSc in Microbiology from Tribhuvan University, Nepal in 1994.

**Awards:** ASM/ICAAC Program Committee Award in the area of Immunology of Infection (2011) by American Society for Microbiology. WHO/NHRC Fellowship for Carrying out MSc Dissertation (1996) by WHO/Nepal Health Research Council.

**Expertise:** Regulatory Affairs. Drug and Vaccine Development in Infectious Diseases. Microbiology and Molecular Biology.

**Professional Affiliation:** American Society for Microbiology. American Society for Biochemistry and Molecular Biology. Regulatory Affairs Professional Society.

**Correspondence:** **Mailing Address:** 1020 Signal Creek Ln, Morrisville NC 27560, USA. **Phone number/Cell:** +1 919 780 8999. **E-mail:** batusharma@gmail.com



**78. Bed Mani Dahal (M; 1971; Okhaldhunga, Nepal)**

**Category:** Environmental Science.

**Current Affiliation:** Associate Professor, Kathmandu University (KU), Kathmandu.

**Past Experiences:** Associate Professor, Department of Environmental Science and Engineering, KU. Assistant Professor, Department of Environmental Science and Engineering, KU. Lecturer, Department of Environmental Science and Engineering, Kathmandu University.

**Education:** PhD in Environment and Development-Agricultural Intensification in a Mid-Hill Watershed of Nepal: Socio-Economic and Environmental Implications from Norwegian University of Life Sciences, Norway in 2010. MSc in Environmental Sciences-Acidification of Glucose Under Psychrophilic Conditions from Wageningen University, Netherlands in 1997. BSc in Biology from Tribhuvan University, Nepal in 1993.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2012) by Government of Nepal.

**Expertise:** Environmental Science. Agricultural Intensification. Waste Water Treatment.

**Professional Affiliation:** Kathmandu University, Nepal. Norwegian University of Life Sciences, Norway. Wageningen University, The Netherlands.

**Correspondence:** **Mailing Address:** PO Box 6250, KU, Nepal. **Phone number/Cell:** 9841135325. **E-mail:** bedmani@gmail.com / bedmani@ku.edu.np



**79. Benu Prasad Adhikari (M; 1962; Terhathum, Nepal)**

**Category:** Food Engineering. Food Materials Science.

**Current Affiliation:** Professor, RMIT University, Australia, 124 La Trobe St, Melbourne VIC 3000.

**Past Experiences:** Associate Professor, Ballarat University (Currently, Federal University Australia). Australian Post-Doctoral Fellow (APD), The University of Queensland (UQ), Australia. Visiting Lecturer, Ngee Ann Polytechnic, Singapore.

**Education:** PhD in Chemical Engineering-Drying Kinetics And Stickiness Studies of Single Drop of Sugar and acid Rich Solutions from The University of Queensland Australia in 2003. ME in Food Engineering-Viscometric Characterisation of Fluid Foods from Asian Institute of Technology (AIT), Thailand in 1997. BE in Food Engineering-Design of mutton factory from Wuxi Institute of Light Industry (currently, Jiangnan University), China in 1991.

**Awards:** Top 60 Alumni of Jiangnan University in its 60 years (2018) by Jiangnan University. Excellence in Drying Research (2017) by Asia-Pacific Drying Conference Organising committee. Excellence in Research (2018) by School of Science, RMIT University.

**Expertise:** Food Engineering. Food Materials Science. Plant Proteins and Interfacial Phenomena.

**Professional Affiliation:** RMIT University, 124 La Trobe St, Melbourne VIC 3000, Australia.

**Correspondence:** **Mailing Address:** Plenty Road, Bundoora, VIC 3083, Australia. **Phone number/Cell:** +61399259940/+61434173895. **E-mail:** benu.adhikari@rmit.edu.au



**80. Bhadra Prasad Pokharel (M; 1957; Sunsari, Nepal)**

- Category:** Physics. Materials Science and Engineering.
- Current Affiliation:** Professor and Coordinator, Master in Materials Science and Engineering, Pulchowk Campus, IOE, Lalitpur.
- Education:** PhD in Materials Science and Technology from School of Materials Science, IIT, BHU, Varanasi, India in 2000. MSc in Solid State Physics, Materials Science from TU, Nepal-University of Bristol, United Kingdom in 1985-1990. BSc in Physics from Tribhuvan University, Nepal in 1979.
- Awards:** British Council for MSc (1989) by British Council, UK. Gold Medal 'Ka' for PhD (2002) by Education Ministry of Nepal. Gold Medal 'Kha' for MSc (1985) by Education Ministry of Nepal.
- Expertise:** Synthesis, Characterization and Phase Transition Behaviour of Ferroelectric Materials. Synthesis and Characterization of Nano-Porous Activated Carbon Derived from agricultural Waste. Lignocelulosic Materials, XRD and Neutron Data Analysis for Structural Analysis.
- Professional Affiliation:** Materials Science and Engineering Program, Department of Applied Science and Chemical Engineering, Pulchowk Campus, Institute of Engineering, Lalitpur, Nepal.
- Correspondence:** **Mailing Address:** 52 Arun Road, Ghattekulo, Dillibazar, Kathmandu. **Phone number/Cell:** 9851013940. **E-mail:** bhadrapokharel@ioe.edu.np



**81. Bhagawan Das Manandhar (M; 1966; Kathmandu, Nepal)**

- Category:** Agriculture Engineering.
- Current Affiliation:** Professor, Paklihawa Campus, Institute of Agriculture and Animal Science, Bhairhawa, Rupendehi, Nepal.
- Past Experiences:** Lecturer, Rampur Campus, Institute of Agriculture and Animal Science. Reader, Rampur Campus, Institute of Agriculture and Animal Science.
- Education:** PhD in Optimisation Technology of Discrete Watering in Furrows From Government Agriculture University of Republic Moldova, Kishinev, Moldova and Scientific Research Institute of Water Problem and Melioration of the State Republican Concern, Republic of Moldova in 1999. ME in Irrigation and Drainage Engineering from Agriculture State University of Moldova in 1993. BE in Irrigation and Drainage Engineering from Agriculture State University of Moldova in 1991.
- Awards:** Vidhya Bhusan 'Ka' (2010) by Dr. Ram Baran Yadav, President of Nepal.
- Expertise:** Capillary Irrigation System-Risovich and Manandhar (CIS-RM). Discrete Irrigation Method for Irrigation on Furrow, Multi Purpose Double and Single Drum Thresher.
- Professional Affiliation:** College of Live Sciences, Tulsipur, Dang. Prithu Technical Agriculture Campus, Lamahi, Dang. Gouleshwore Agriculture and Animal Science Campus, Gouleshwore, Baitadi.
- Correspondence:** **Mailing Address:** Nayabazar, Kathmandu-16, Nepal. **Phone number/Cell:** 9855050707. **E-mail:** gibhagawan@gmail.com



## 82. Bhagirath Ghimire (M; 1986; Rupandehi, Nepal)

**Category:** Physics.

**Current Affiliation:** Senior Research Associate, Lancaster University, Lancaster, United Kingdom.

**Past Experiences:** PhD Scholar, Plasma Bioscience Research Center, Seoul, South Korea. Researcher, INP Greifswald, Germany. Naa Su, Government of Nepal, Ministry of Defense.

**Education:** PhD in Low Temperature Plasma Physics from Kwangwoon University, Seoul, Republic of Korea in 2019. MSc in Plasma Physics from Tribhuvan University, Nepal in 2014. BSc in Physics from Tri-Chandra College, Kathmandu in 2008.

**Awards:** PhD Scholarship (2015) by Kwangwoon University, Korea.

**Expertise:** Atmospheric Pressure Plasma Discharges. Cold Plasma. Glow Discharges. Plasma Medicine. Plasma Jets. Dielectric Barrier Discharges.

**Professional Affiliation:** Lancaster University, United Kingdom. Kwangwoon University, South Korea. INP Greifswald, Germany.

**Correspondence:** **Mailing Address:** 21 Equitable House, Lancaster LA1 1GX, United Kingdom. **Phonenumber/Cell:** 44-7856492984, 9827580032/9841812698. **E-mail:** ghimirebhagi@hotmail.com, bhagirath.ghimire@lancaster.ac.uk



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## 83. Bhakta Prasad Gaire (M; 1985; Syangja, Nepal)

**Category:** Neuropharmacology.

**Current Affiliation:** Research Professor, Gachon University, 191, Hambakmoero, Yeonsu-gu, Yeonsu-dong, Republic of Korea.

**Past Experiences:** Assistant Professor, Gachon University, College of Pharmacy, Research Professor, Gachon University College of Pharmacy, Post-Doc Researcher, Gachon University College of Pharmacy.

**Education:** PhD in Neuropharmacology from Gachon University, Republic of Korea in 2017. MSc in Herbal Pharmacology from Kyung Hee University, Republic of Korea in 2013. BSc in Pharmaceutical Sciences from Pokhara University, Nepal in 2009.

**Awards:** Korean Government Scholarship Award (2010) by Korean Government. Dr. Katsuko Komatsu award (2010) by Pokhara University. Dean's List Award (2010) by Pokhara University.

**Expertise:** Neuroscience. Herbal Medicine. Pharmacology.

**Professional Affiliation:** Gachon University, Korea. Kyung Hee University, Korea. Crimson College of Technology, Pokhara University, Nepal.

**Correspondence:** **Mailing Address:** 191 Hambakmoero Yeonsu gu. **Phone number/Cell:** +821045737823. **E-mail:** samarpanbp@gmail.com



**84. Bhanu Bhakta Neupane (M; 1980; Gulmi, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Assistant Professor, Central Department of Chemistry, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Post-Doctoral Scientist, Department of Chemistry, North Carolina State University, USA, Post-Doctoral Scientist, Department of Biomedical Engineering, Joint Department of University of North Carolina and North Carolina State University, USA. Scientist, Kathmandu Institute of Applied Sciences, Nepal.

**Education:** PhD in (Bio) Physical Chemistry-Excitation Energy Transfer, Excitonic Structure and Electro Transfer Dynamics in Natural and Artificial Photo Systems Containing Magnesium and Zinc Chlorins from Kansas State University, United States in 2011. MSc in Chemistry-Fabrication and Characterization of Ag-AgCl gel Matrix Reference Electrode from Tribhuvan University, Nepal in 2003. BSc in Chemistry from Tri-Chandra Campus, Tribhuvan University, Nepal in 2001.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2018) by Government of Nepal. Young Scientist Award (2019) by Nepal Academy of Sciences and Technology, Scott Farley Memorial Award (2010) by Kansas State University, USA.

**Expertise:** Nanotechnology. Optical Engineering. Analytical Testing. Air.

**Professional Affiliation:** Nepal Chemical Society. American Chemical Society.

**Correspondence:** **Mailing Address:** Central Department of Chemistry, TU, Kirtipur. **Phone number/Cell:** 9851185467. **E-mail:** newbhanu@gmail.com



**85. Bhanu Shrestha (M; 1966; Dolakha, Nepal)**

**Category:** Electronic Engineering. RFIC/MMIC Design.

**Current Affiliation:** Associate Professor, Kwangwoon University.

**Past Experiences:** Vice-Principal, Somang Academy, Lalitpur, Nepal. In-Charge, Gaurishanker General Hospital, Dolakha, Nepal. Chairman, Nepal South Korea Friendship Society, Nepal.



**Education:** PhD in Design and Analysis of Differential Colpitts Voltage Controlled Oscillator for Interference Cancellation System in InGaP/GaAs HBT Technology from Kwangwoon University, Seoul, Republic of Korea in 2008. ME in MMIC Cascode VCO with Low Phase Noise Using InGaP/GaAs HBT Process for Ku-Band LNB from Kwangwoon University, Korea in 2004. BE in Design of Digital Thermometer from Kwangwoon University in 1998.

**Awards:** Bellwave Excellent Paper Award (2005) by Korean Institute of Electromagnetic Engineering and Science (KIEES), Seoul, Korea. Nepal Vidhya Bhusan 'Ka' (2009) by the Government of Nepal. Achievement Award (2015) by the Institute of Internet Broadcasting and Communication, Korea.

**Expertise:** Design of RFIC/MMIC Device and System Design. Design of Oscillator (both hybrid and MMIC). Design of Passive Devices Using Integrated Passive Device (IPD) Technology.

**Professional Affiliation:** Vice-Chairman ICT-Advanced Engineering Society, Seoul, Korea. Editor-in-Chief, International Journal of Advanced Engineering, Seoul, Korea. Editorial Member, Journal of Electrical and Electronic Engineering, SciencePG, USA.

**Correspondence:** **Mailing Address:** Mahalaxmi-5, Lalitpur, Nepal. **Phone number/Cell:** 015007363. **E-mail:** bnu56@yahoo.com

### 86. Bharat Mandal (M; 1968; Dhanusa, Nepal)

**Category:** Structural Engineering.

**Current Affiliation:** Associate Professor, Department of Civil Engineering, Pulchowk Campus, IOE, TU, Lalitpur.

**Past Experiences:** Head, Department of Civil Engineering, Pulchowk Campus, Institute of Engineering, TU. Programme Coordinator, Department of Civil Engineering, Pulchowk Campus. Lab In-Charge, Heavy Lab, Department of Civil Engineering, Pulchowk Campus.

**Education:** PhD in Bridge Deck Pounding from Sapienza University, Italy in 2015. MSc in Structural Engineering from Pulchowk Campus, IOE, Tribhuvan University, Nepal in 1998. BE in Civil Engineering from IOE, Tribhuvan University, Nepal in 1993.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2016) by Ministry of Education.

**Expertise:** Dynamic Analysis of Structure. Design of Structures (Bridge, Tower, Building). Testing of Structural Materials (Destructive and Nondestructive).

**Professional Affiliation:** Pulchowk Campus, IOE, TU, Lalitpur. Nepal Beaur of Standards & Methodology, Balaju, Kathmandu.

**Correspondence:** **Mailing Address:** Mahalaxmi-4, Lalitpur, Nepal. **Phone number/Cell:** 015200985/9851168252. **E-mail:** bharat@ioe.edu.np



### 87. Bharat Mani Pokhrel (M; 1954; Pyuthan, Nepal)

**Category:** Microbiology.

**Current Affiliation:** Academician, Nepal Academy of Science & Technology, Khumaltar, Lalitpur, Nepal.

**Past Experiences:** Visiting Scientist, National Institute of Immunology (NII) New Delhi, India. Visiting Professor of Medical Microbiology, Xinxiang Medical College, Henan, PR China. Professor of Microbiology and HoD, Microbiology, Institute of Medicine, Tribhuvan University, Kathmandu, Nepal. Assistant Campus Chief, Research Director and Assistant Dean (Examination), Institute of Medicine, Tribhuvan University, Kathmandu, Nepal.

**Education:** PhD in Microbiology from Tribhuvan University, Nepal in 1997. MSc in Medical Technology, Microbiology (Bacteriology) from Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh, India in 1990. BSc in MLT from Post Graduate Institute of Medical Education and Research (PGIMER) Chandigarh, India in 1982.

**Awards:** Silver Medal (1st Class 1st in BSc) in 1983, Bronze Medal (1st class, 2nd Topper in MSc) in 1991 by Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh, India. National Education Prize and Medal (2005) by Ministry of Education, Government of Nepal. Mahendra Vidhya Bhusan (Gold Medal) Class C in 1983 and Class A in 1997 by His Majesty King of Nepal.

**Expertise:** Bacteriology. Clinical Microbiology. Infectious Diseases.

**Professional Affiliation:** Tribhuvan University Teaching Hospital, Maharajgunj, Kathmandu, Nepal. Central Department of Microbiology, Kirtipur, Tribhuvan University, Kathmandu, Nepal. Karnali Academy of Health Sciences, Jumla, Nepal.

**Correspondence:** **Mailing Address:** Budhanilakantha, Kathmandu, Nepal. **Phone number/Cell:** 9841528392. **E-mail:** bmp268@hotmail.com



### 88. Bharat Raj Pahari (M; 1961; Kaski, Nepal)

**Category:** Engineering Education.

**Current Affiliation:** Professor, Institute of Engineering, TU, Pulchowk, Lalitpur.

**Past Experiences:** Dean, Institute of Engineering, TU. Director, Center for Energy Studies, Institute of Engineering, TU. Director, IOE Consultancy Service, Institute of Engineering, TU.

**Education:** PhD in Quality of Engineering Education from Kathmandu University, Nepal in 2008. MSc in Energy Efficient Building Design from University of Applied Sciences, Cologne, Germany in 1997. BE in Civil Engineering/Engineering Management from Institute of Engineering, TU, Nepal in 1991.

**Awards:** Mahendra Vidhya Bhusan 'Ka' (2009) by President of Nepal. Excellence Award (2010) by NUTA. Barahi Ratna Award (2007) by Minister of Education, Nepal.

**Expertise:** Quality of Engineering Education. Energy Efficient Building Design. Contract Management and Evaluation.

**Professional Affiliation:** Institute of Engineering, Tribhuvan University, Pulchowk, Lalitpur, Nepal. National Education Academy, Talchhikhel, Lalitpur. Amarawati Builders and Developers Pvt Ltd, Kathmandu Nepal.

**Correspondence:** **Mailing Address:** Institute of Engineering, TU, Pulchowk, Lalitpur, Nepal. **Phone number/cell:** 9851108579. **E-mail:** bharatpahari@gmail.com



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### 89. Bhaskar Adhikari (M; 1975; Palpa, Nepal)

**Category:** Plant Science.

**Current Affiliation:** Biodiversity Scientist, Temperate Asia Taxonomist, Royal Botanic Garden Edinburgh, Scotland, UK.

**Past Experiences:** Biodiversity Scientist, Temperate Asia Taxonomist, Royal Botanic Garden Edinburgh, Assistant Lecturer, Central Department of Botany, Tribhuvan University, Research Consultant-IUCN (World Conservation Union) Nepal.

**Education:** PhD in Systematics and Phylogeographic Studies of *Berberis* L. (Berberidaceae) in the Nepal Himalaya from The University of Edinburgh, United Kingdom in 2010. MSc in Plant Systematics from Tribhuvan University, Nepal in 2001. BSc in Botany from Tribhuvan University, Nepal in 1999.

**Awards:** The University of Edinburgh Torrance Bequest (2006) by The University of Edinburgh. Krishna Chandra Regmi Award (2002) by Tribhuvan University. Mahendra Vidhya Bhusan 'Kha' (2002) by Government of Nepal.

**Expertise:** Plant Systematics. Invasive Alien Plant Species. Flora of Nepal.

**Correspondence:** **Mailing Address:** Royal Botanic Garden, Edinburgh, 20a Inverleith Row, Edinburgh, EH3 5LR, Scotland, UK. **Phone number/Cell:** +447894820348. **E-mail:** badhikari@rbge.org.uk



**90. Bhaskar Mani Adhikari (M; 1984; Sunsari, Nepal)**

**Category:** Food Technology.

**Current Affiliation:** Research Assistant, The University of Queensland, School of Agriculture and Food Sciences, St Lucia, Brisbane, 4072, Australia.

**Past Experiences:** Program Coordinator, National College of Food Science and Technology, Kathmandu, Nepal. Academic Tutor, The University of Queensland, Australia.

**Education:** PhD in Food Technology from The University of Queensland, Australia in 2019. MTech in Food Technology from Tribhuvan University, Nepal in 2009. BTech in Food Technology from Tribhuvan University, Nepal in 2006.

**Awards:** Australasian Student Award (2019) by Australasian Section of American Oil Chemists' Society. IPRS/UQCent (2016) by The University of Queensland, Australia. Asia-Pacific 3MT Research Travel Grant (2018) by The University of Queensland, Australia.

**Expertise:** Food Technology. Dairy Science. Nanobubbles.

**Professional Affiliation:** Nepal Food Scientists and Technologists Association (NEFOSTA), Kathmandu, Nepal. Food and Nutrition Awareness Centre (FONAC), Kathmandu, Nepal. Australian Institute of Food Science and Technology (AIFST), Australia.

**Correspondence:** **Mailing Address:** C501, Level 5, Hartley Teakle Building (#83) The University of Queensland, St. Lucia 4072, Brisbane, Australia. **Phone number/Cell:** +61-0424963448. **E-mail:** vaskarmani@gmail.com



**91. Bhawani Chand Thakuri (M; 1965; Baitadi, Nepal)**



- Category:** Organic Chemistry. Phytochemistry.
- Current Affiliation:** Professor, Department of Chemistry, Faculty of Science and Technology, Far-western University, Mahendranagar, Kanchanpur, Mahakali, Nepal.
- Past Experiences:** Hostel Warden & Head, Chemistry Department, Siddhanath Science Campus, Mahendranagar. Campus Chief, Faculty of Science and Technology, Far-Western University. Dean, Faculty of Science and Technology, Far-Western University, Mahendranagar, Nepal.
- Education:** PhD in Phytochemical Investigations on Some High Altitude Aromatic Medicinal Plants of Far Western Nepal from Kumaoun University, India in 2008. MSc in Organic Chemistry from Tribhuvan University, Nepal in 1993. BSc in Chemistry, Zoology, Botany from Tribhuvan University, Nepal in 1989.
- Awards:** Nepal Vidhya Bhusan 'Ka' (2009) by Honorable President of Nepal. Rastrya Sikshya Puruskar (2010) by Ministry of Education, Vice-Chancellor of Tribhuvan University.
- Expertise:** Essential Oil Extraction and Isolation. GC, MS, GC-MS, IR. Screening and Characterization of Medicinal and Aromatic Plants of Higher Altitudes. Proposal Writing. Thesis Guiding. Term Paper Guiding. Report Guiding. Teaching Organic Chemistry in Under Graduate and Graduate Levels. Laboratory Work. Laboratory Establishment for Research Propose and Other Scientific Works.
- Professional Affiliation:** Far-Western University, Mahendranagar, Kanchanpur. Siddhanath Science Campus, Mahendranagar. Radiant College, Mahendranager, Kanchanpur.
- Correspondence:** **Mailing Address:** Faculty of Science and Technology, Department of Chemistry, Mahendranagar, Nepal. **Phone number/Cell:** 9858751116/9848722191. **E-mail:** thakuribc@yahoo.com, thakuribcdr@gmail.com

**92. Bhawani Datt Joshi (M; 1970; Baitadi, Nepal)**

**Category:** Physics.

**Current Affiliation:** Associate Professor, Siddhanath Science Campus, Tribhuvan University, Mahendranagar.

**Past Experiences:** Teaching Physics, Siddhanath Science Campus.

**Education:** PhD in Solid State Characterization of Biologically Active Natural Products Using Vibrational Spectroscopy and Quantum Chemical Methods vibrational Spectroscopy and Quantum Chemical from Lucknow University, India in 2013. MSc in Physics from Tribhuvan University, Nepal in 1993. BSc in Physics, Chemistry and Mathematics from Tribhuvan University, Nepal in 1991.

**Awards:** UGC Nepal Fellowship for PhD (2010-2013) by UGC. Nepal Vidhya Bhusan 'Ka' (2014) by Government of Nepal. CNPq-TWAS Post-Doctoral Fellowship (2014) by TWAS.

**Expertise:** Vibrational Spectroscopy. Density Functional Theory.

**Professional Affiliation:** Life Member, Nepal Physical Society.

**Correspondence:** **Mailing Address:** Department of Physics, Siddhanath Science Campus, Tribhuvan University, Mahendranagar, Nepal. **Phone number/Cell:** 9841580777. **E-mail:** pbdjoshi@gmail.com, bhawanidattjoshi@sns.edu.np



**93. Bhawani Manandhar (F; 1979; Kathmandu, Nepal)**

**Category:** Cardiology.

**Current Affiliation:** Consultation Cardiologist, Grande International Hospital Nepal, Dhapasi, Kathmandu.

**Past Experiences:** Assistant Professor in Internal Medicine, Melaka Manipal Medical College, Manipal University, India. Assistant Professor in Internal Medicine, National Medical College and Teaching Hospital, Birgung, Nepal. Medical Officer in Department of Anaesthesia and Emergency Medicine, Patan Hospital, Nepal.

**Education:** DM-Prevalence of Calcific Aortic Disease in Patients with Metabolic Syndrome-a Hospital Based Echocardiographic Study From BPKIHS, Dharan, Nepal in 2017. MD in Internal Medicine-Study of Prevalence of Peripheral Neuropathy in Newly Diagnosed Diabetic Patients from Institute of Medicine, Maharajgunj, Tribhuvan University, Nepal in 2010. MBBS from College of Medical Sciences, Bharatpur in 2003.

**Awards:** Aishwarya Vidhya Padak (1999) by Late Queen Aishwarya Rajya Laxmi Devi Shah. Heera Devi Kansakar Gold Medal (1997) by Siddhartha Vanasthali Institute (SVI). Best Resident Award from Mahargunj Campus (2009) by Institute of Medicine, Maharajgunj, Tribhuvan University. Doctorate of Medicine in Cardiology by BPKIHS in 2017.

**Expertise:** Cardiology.

**Professional Affiliation:** Melaka Manipal Medical College, Manipal University, India. National Medical College and Teaching Hospital, Birgung, Nepal. Grande International Hospital, Nepal.

**Correspondence:** **Mailing Address:** Grande International Hospital, Nepal. **Phone number/Cell:** 9845666477. **E-mail:** bhawanimanandhar@hotmail.com



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**94. Bhawani Shankar Chamlagain (M; 1980; Sunsari, Nepal)**

**Category:** Food Science and Technology.

**Current Affiliation:** Post-Doctoral Researcher, University of Helsinki, Finland.

**Past Experiences:** Post-Doctoral Researcher, University of Helsinki. PhD Candidate, University of Helsinki. Quality Assurance Officer, Bottlers Nepal Limited.

**Education:** PhD in Food Chemistry-Fermentation fortification of active vitamin B12 in food matrices using *Propionibacterium freudenreichii*: Analysis, production and stability from University of Helsinki, Finland in 2016. MSc in Food Science from University of Helsinki, Finland in 2011. BSc in Food Technology from Tribhuvan University, Nepal in 2003.

**Awards:** Best Doctoral Thesis Award by the Food Health Doctoral Programme (2017) by University of Helsinki. Best Doctoral Dissertation Award (2017) by Finnish Society of Food Science and Technology. International Student Grant of € 2 500 for an Outstanding Performance in Master Degree (2009) by University of Helsinki.

**Expertise:** Food Analysis. Food Fermentation. B Vitamins especially Vitamin B12.

**Professional Affiliation:** Institute of Food Technologists. Nepal Food Science and Technology Association.

**Correspondence:** **Mailing Address:** PO Box 66 (Agnes Sjöbergin katu 2) 00014 University of Helsinki, Finland. **Phone number/Cell:** +358 442097876. **E-mail:** bhawani.chamlagain@helsinki.fi



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**95. Bhesh Raj Bhandari (M; 1957; Pyuthan, Nepal)**

**Category:** Food Technology and Engineering.

**Current Affiliation:** Professor, The University of Queensland, School of Agriculture and Food Sciences, University of Queensland, Brisbane, QLD 4072, Australia.

**Past Experiences:** Technical Officer (1982-1985), Dairy Development Corporation, Kathmandu.

**Education:** PhD in Food Process Engineering from ENSIA, Massey, France in 1992. MSc in Food Process Engineering from Asian Institute of Technology, Thailand in 1986. BSc in Dairy Technology from Gujarat Agricultural University, India in 1982.

**Awards:** Top Researcher Q-index Award (2005) by The University of Queensland. Top 1% Highly cited researcher (2015) by Thomson Reuter. Excellence on Drying-Applying Fundamentals to Practice (2012) by International Drying Symposium.

**Expertise:** Research and Teaching in Food Processing Technology and Engineering.

**Professional Affiliation:** Fellow, Australian Institute of Food Science and Technology. Fellow, Nepalese Institute of Food Science and Technology. External Expert and Honorary Professor, Jiangnan University, Wuxi, China.

**Correspondence:** **Mailing Address:** 23 Goodenia Crescent. **Phone number/Cell:** +61 401297947. **E-mail:** b.bhandari@uq.edu.au



**96. Bhesh Raj Sharma (M; 1982; Baglung, Nepal)**

<b>Category:</b>	Cancer. Diabetes. Obesity. Innate Immunology. Herbal Pharmacology.	
<b>Current Affiliation:</b>	Post-Doctoral Research Associate, St Jude Children's Research Hospital, Memphis, TN 38105, USA.	
<b>Past Experiences:</b>	Drug Inspector and Pharmacist, Department of Drug Administration, Kathmandu, Nepal. Principal, College of Medical Sciences (Diploma in Pharmacy Program), Bharatpur, Nepal. Assistant Lecturer, School of Health Sciences, Bharatpur, Nepal.	
<b>Education:</b>	PhD in Diabetes, Obesity, Herbal Pharmacology from Mokpo National University, Republic of Korea in 2015. MSc in Diabetes from Mokpo National University, Republic of Korea in 2011. Bachelor in Pharmaceutical Sciences in Herbal Tea Formulation from Pokhara University, Nepal in 2005.	
<b>Awards:</b>	Travel Award (2019) by American Association of Immunologist, USA. Oral Presenter and Travel Award (2014) by 134th Pharmaceutical Society of Japan. Young Scientist (2012) by Korean Society of Applied Biological Chemistry.	
<b>Expertise:</b>	Isolation and Extraction of Bio-active Fractions from Herbal Remedies & Evaluate their effect on Metabolic Diseases. Formulation of Diabetic Herbal Tea. Role of Innate Immunity in the Pathogenesis of Colorectal Cancer, Diabetes, Obesity.	
<b>Professional Affiliation:</b>	American Association of Immunologist, MD, USA. American Association for the Advancement of Science, Washington, DC, USA. Nepali Pharmacy Council, Kathmandu, Nepal.	
<b>Correspondence:</b>	<b>Mailing Address:</b> 994 Annesdale St, Apt #203, Memphis, TN 38104, USA. <b>Phone number/Cell:</b> 9012708199. <b>E-mail:</b> bhesh82@gmail.com	

**97. Bhim Kumar Dahal (M; 1978; Dolakha, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Assistant Professor, Institute of Engineering, Pulchowk Campus, Lalitpur, Nepal.

**Past Experiences:** Head, Department of Civil and Rural Engineering, Nepal Engineering College, Changunarayan Bhaktapur. Assistant Professor, Nepal Engineering College, Changunarayan. District Engineering Officer, Rural Access Programme, Phase 2.

**Education:** PhD in Geotechnical Engineering-Study on Physical Properties and Mechanical Behavior of Cement Treated Clays from Huazhong University of Science and Technology, China in 2018. MSc in Geotechnical Engineering from Tribhuvan University, Nepal in 2011. BE in Civil Engineering from Tribhuvan University, Nepal in 2003.

**Awards:** First Paper Award (2017) by ICAMEST, Nanjing, China. CSC Bi-lateral Scholarship (2015) by Ministry of Education, Nepal and Chinese Scholarship Council. Regular Student (Scholarship) (1995, 1999, 2006) by Institute of Engineering, Pulchowk Campus, Institute of Engineering.

**Expertise:** Mechanical Behavior of Improved Soft Clays. Deep Excavation and Underground Construction on Soft Soils. Slope Disaster Mitigation.

**Professional Affiliation:** Nepal Engineering Council. Nepal Engineers' Association. Nepal Geotechnical Society.

**Correspondence:** **Mailing Address:** Institute of Engineering, Pulchowk Campus, Lalitpur, Nepal. **Phone number/Cell:** 9851216348. **E-mail:** bhimkdahal@gmail.com



**98. Bhim Prasad Kafle (M; 1975; Syangja, Nepal)**

**Category:** Physical Chemistry. Physics.

**Current Affiliation:** Assistant Professor, Kathmandu University, Department of Chemical Science and Engineering, School of Engineering, Dhulikhel.

**Past Experiences:** Post-Doctoral Fellow, Weizmann Institute of Science, Israel.

**Education:** PhD in Chemical Physics-Cooling (decay) Mechanisms of Photo-Excited Carbon Clusters from Graduate University for Advanced Studies, Japan in 2008. MSc in Solar Energy and Environmental Physics from Ben-Gurion University of Negev, Israel in 2004. BSc in Physics from Tribhuvan University, Nepal in 1994.

**Awards:** Vidhya Bhusan 'Ka' (2013) by President of Nepal. The World Academy of Science (TWAS) (2013) by Prime Minister of Nepal. Best Presentation Award (2011) by Workshop on Electrostatic Storage Device (ESD)-2011.

**Expertise:** Solar Energy Related Technology Development (Photovoltaic Solar Cells and Solar Thermal Collector). Mass Spectroscopic Investigation of Small Molecules. Nanotechnology (Nano Materials Based Solar Technology).

**Professional Affiliation:** Chemical Society of Nepal, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Department of Chemical Science and Engineering, School of Engineering, Kathmandu University. **Phone number/Cell:** 011415100/9851134225. **E-mail:** bhimkafle@gmail.com



**99. Bhoj Raj Adhikari (M; 1981; Jhapa, Nepal)**



- Category:** Oral and Maxillofacial Pathology. Dentistry.
- Current Affiliation:** Lecturer, Kathmandu University School of Medical Sciences, Dhulikhel, Kavre.
- Past Experiences:** Research Assistant and PhD Scholar, Health Sciences University of Hokkaido, Japan. Medical Officer, Dhulikhel Hospital, Kavre. Medical Officer, Koshi Zonal Hospital, Biratnagar.
- Education:** PhD in Genome-wide Analysis of DNA Methylation Array and Microarray in Human Oral Epithelial Cells Stimulated by Arecoline for Prolong Period-Involvement of Aberrant Expression of DUSP4 Gene in Betel Quid Chewing-Related Oral Cancer from Health Sciences, University of Hokkaido, Japan in 2019. Integrated Masters/PhD in Oral and Maxillofacial Pathology from Health Sciences University of Hokkaido, Japan in 2019. Bachelor of Dental Surgery in Dentistry from Tribhuvan University, Nepal in 2007.
- Awards:** Government Scholarship (2002) by MOE. KIF Scholarship (2016) by Japan KIF Foundation.
- Expertise:** Medical Genetics. Clinical Oral and Maxillofacial Medicine/Surgery Pathology. Forensic Odontology.
- Professional Affiliation:** Kathmandu University School of Medical Sciences, Nepal. Health Sciences University of Hokkaido, Japan. Universitetet i Oslo, Norway.
- Correspondence:** **Mailing Address:** School of Dentistry, KUSMS, Dhulikhel Hospital, Dhulikhel, Nepal. **Phone number/Cell:** 9851139042.  
E-mail: bhojrajadhikari@gmail.com

**100. Bhoj Raj Ghimire (M; 1981; Dolakha, Nepal)**

**Category:** Remote Sensing. GIS. ICT.

**Current Affiliation:** Assistant Professor, Nepal Open University, Manbhawan, Lalitpur.

**Past Experiences:** GIS Analyst, ICIMOD, Nepal. Researcher, National Institute of Informatics (NII), Tokyo, Japan. Head of Project Management, Leapfrog Inc, USA, Workstation in Nepal Office.

**Education:** PhD in Mapping of *Shorea robusta* Forest Using Time Series MODIS Data-Implications for Sub-National Forest Carbon Monitoring in Nepal from Asian Institute of Technology, Thailand in 2018. Masters in Computer Application in Optimization of SMS Delivery from Pune University, India in 2008. BSc in Library Management System from Tribhuvan University, Nepal in 2004.

**Awards:** Vidhya Bhusan 'Ka' (2019) by Nepal Government of Nepal. Japanese Government Scholarship (2014) by Government of Japan. Silver Jubilee Award (2005) by Government of Indian.

**Expertise:** Remote Sensing. GIS. ICT. Digital Governance.

**Professional Affiliation:** Nepal Open University, Lalitpur Nepal. Forum for Digital Equility, Anamnagar, Kathmandu.

**Correspondence:** **Mailing Address:** Budhanilkantha-12, Kapan, Kathmandu, Nepal. **Phone number/Cell:** 9841197233. **E-mail:** dr.bghimire@gmail.com, bghimire@nou.edu.np



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### 101. Bhoj Raj Pant (M; 1966; Baitadi, Nepal)

**Category:** Environmental Chemistry.

**Current Affiliation:** Senior Scientific Officer, Nepal Academy of Science and Technology, Khumaltar, Lalitpur.

**Past Experiences:** Lab Technician, Biological Product Division, Government of Nepal.

**Education:** PhD in Study on Removal of Toxic Metal and Metalloid from Water Using Cross-linked Carboxymethyl Starch Derivative from Hannam University, South Korea in 2010. MSc in Analysis of Iron, Manganese and Copper from Locally Available *Eucalyptus camaldulensis* from Asian Institute of Technology (AIT), Thailand in 2003. BSc in Chemistry and Biology from Kumaun University, India in 1988.

**Awards:** Best professional Award (2012) by Nepal Academy of Science and Technology. Academic Achievement Medal (Nepal Vidhya Bhusan 'Ka') (2010) by Government of Nepal. Korean Government Fellowship (2006) by Korea Government.

**Expertise:** Water Purification. Waste Management. Environmental Impact Assessment (EIA) for Chemical Hazard.

**Professional Affiliation:** Nepal Chemical Society. Polymer Society of Korea.

**Correspondence:** **Mailing Address:** Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** +977015551521/9841347972. **E-mail:** bhojraj.pant@nast.gov.np/environmentnast@gmail.com



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### 102. Bhola Nath Sharma Ghimire (M; 1969; Gorkha, Nepal)

**Category:** Engineering.

**Current Affiliation:** Professor and Director, Institute of Engineering, CARD, Pulchowk, Lalitpur, Nepal.

**Past Experiences:** Associate Professor, IOE. Assistant Professor, IOE. Hydrologist, Nippon COI.

**Education:** PhD in Water Resources Engineering and Hydropower- 'Optimal Operation of Reservoir Using Soft Computing Technique' from IIT Bombay, India in 2014. MSc in Hydropower Development from NTNU, Norway in 2006. BE in Civil Engineering from Institute of Engineering, Tribhuvan University, Nepal in 1995.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2015) by President of Nepal. Director's fellowship IITB (2008) by IIT Bombay for PhD. Quota Scholarship (2004) by NTNU Norway for MSc study.

**Expertise:** Hydropower Engineering. Water Resources Engineering. Hydrology Civil Engineering.

**Professional Affiliation:** Life Member, Nepal Engineering Association. Life Member, Indian Society of Hydraulics. Life Member, IITB Alumni.

**Correspondence:** **Mailing Address:** Pulchowk Campus, Lalitpur, Nepal. **Phone number/Cell:** +9779851214646. **E-mail:** bnsghimire@gmail.com



**103. Bhuminand Devkota (M; 1968; Gorkha, Nepal)**

**Category:** Veterinary Science. Animal Science.

**Current Affiliation:** Professor and Director, Agriculture and Forestry University, Directorate of Post Graduate Program, Rampur, Chitwan, Nepal.

**Past Experiences:** Visiting Professor, Iwate University, Morioka, Iwate, Japan. Associate Professor, Agriculture and Forestry University. Assistant Professor, Institute of Agriculture and Animal Science, Tribhuvan University.

**Education:** PhD in Veterinary Science-Reproductive Technology from United Graduate School of Veterinary Science, Gifu University, Japan in 2007. MSc in Veterinary Science-Reproductive Technology from United Graduate School of Veterinary Science, Gifu University, Japan in 2007. Doctor of Veterinary Medicine in Veterinary Science from University of Agriculture, Faisalabad, Pakistan in 1995.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2008) by President of Nepal. Excellent Research Award in Theriogenology (2006) by Japanese Society of Veterinary Science. FAO Fellowship (1990) by FAO, Rome.

**Expertise:** Veterinary Science. Assisted Reproductive Technology. Animal Science and Animal Breeding.

**Professional Affiliation:** Agriculture and Forestry University, Rampur, Chitwan, Nepal.

**Correspondence:** **Mailing Address:** Agriculture and Forestry University, Rampur, Chitwan, Nepal. **Phone number/Cell:** 9855054487. **E-mail:** bdevkota@afu.edu.np, bhuminand@gmail.com



#### 104. Bhupati Neupane (M; 1984; Gorkha, Nepal)

**Category:** Geology.  
**Current Affiliation:** Post-Doctoral Researcher, Institute of Tibetan Plateau Research, CAS, Office 418, Building 3, No.16 Lincui Road, Chaoyang District Beijing 100101, China.  
**Past Experiences:** Assistant Lecturer, Tribhuvan University, Kathmandu, Nepal.  
**Education:** PhD in Structural Geology from University of Chinese Academy of Sciences, China in 2017. MSc in Geology from Tribhuvan University, Nepal in 2009. BSc from Tribhuvan University, Nepal in 2007.  
**Awards:** Nepal Vidhya Bhusan 'Ka' (2017) by Government of Nepal. Excellent International Graduates (2017) by University of Chinese Academy of Sciences. Excellent International Students (2016) by University of Chinese Academy of Sciences.  
**Expertise:** Geology. Geophysics. Geochemistry.  
**Professional Affiliation:** Institute of Tibetan Plateau Research, Chinese Academy of Sciences, Chaoyang District Beijing 100101, China.  
**Correspondence:** **Mailing Address:** Institute of Tibetan Plateau Research, Chinese Academy of Sciences Office 418, Building 3, No.16 Lincui Road, Chaoyang District Beijing 100101, China. **Phone number/Cell:** +8615501263702. **E-mail:** bhupati.neupane@yahoo.com



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#### 105. Bhupendra Kumar Basnet (M; 1971; Morang, Nepal)

**Category:** Medicine. Gastroenterology.  
**Current Affiliation:** Professor, National Academy of Medical Sciences, Bir Hospital, Kathmandu, Nepal.  
**Education:** DM in *H. pylori* in Gastric Cancer from National Academy of Medical Sciences, Nepal in 2014. MD (Doctor of Medicine in Clinical)-ECG and LVSD Association from Institute of Medicine, Nepal in 2004. MBBS from Chittagong University, Bangladesh in 1998.  
**Awards:** Prabal Jana Sewa Shree (2076) by Government of Nepal.  
**Expertise:** Gastroenterology.  
**Professional Affiliation:** National Academy of Medical Sciences, Bir Hospital. Helping Hands Community Hospital, Chabahil.  
**Correspondence:** **Mailing Address:** Mandikhatar, Kathmandu. **Phone number/Cell:** 9851059400. **E-mail:** bhupendrakumarbasnet@gmail.com



**106. Bhushan Shakya (M; 1968; Kathmandu, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Associate Professor, Amrit Campus, Tribhuvan University, Thamel, Kathmandu.

**Past Experiences:** Assistant Professor and Assistant Campus Chief, Amrit Campus, Tribhuvan University.

**Education:** PhD in Chemistry-Synthesis, Characterization and Anticancer Activity of 2-Pyridineformamide Derived Thiosemicarbazones from Tribhuvan University, Nepal in 2016. MSc in Organic Chemistry from Tribhuvan University, Nepal in 2002. BSc in Chemistry, Botany, Zoology from Tribhuvan University, Nepal in 1989.

**Awards:** Research Peace Award (RULA Award) (2019) by International Journal for Research Under Literal Access. Nepal Vidhya Bhusan 'Ka' (2018) by Government of Nepal. Young Scientist Award (2014) by Nepal Chemical Society.

**Expertise:** Synthesis. Bioorganic Chemistry.

**Professional Affiliation:** Amrit Campus, Tribhuvan University, Thamel, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Nisthananda Marga, Kathmandu-23, Nepal. **Phone number/Cell:** 9841256320. **E-mail:** bhusansakya@gmail.com



**107. Bhushan Shrestha (M; 1969; Kathmandu, Nepal)**

**Category:** Agriculture. Mycology. Mushroom Science.

**Current Affiliation:** Senior Researcher, Translational Research Division, Biomedical Institute of Mycological Resource, Catholic Kwandong University, South Korea.

**Past Experiences:** Senior Researcher, Mushtech Cordyceps Institute, Hoengseong, Gangwon-Do, South Korea. Senior Researcher, Sungkyunkwan University, South Korea. Senior Researcher, Green Energy Mission-Nepal, Kathmandu, Nepal.

**Education:** PhD in Mycology-Growth Characteristics of Somatic Mycelium and Mating System of *Cordyceps militaris* from Kangwon National University, College of Agriculture and Life Sciences, Republic of Korea in 2003. MSc in Botany-Study on Somaclonal Variation of Rice (*Oryza sativa* Var. 'Anga') from Central Department of Botany, Tribhuvan University, Nepal in 1995. BSc in Biology from Amrit Science College, Tribhuvan University, Nepal in 1992.

**Awards:** Mahendra Vidhya Bhusan with Gold Medal Award Class 'A' (2006) by Government of Nepal. Royal Nepal Academy of Science and Technology (RONAST) Dissertation Award (MSc) (1995) by RONAST, Lalitpur, Nepal. Genuine Student Award (1993 & 1994) by Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Expertise:** Taxonomy and Nomenclature of *Cordyceps* and Entomopathogenic Fungi. Cultivation of *Cordyceps* Fungi. Insect Pathology. Biological Control.

**Professional Affiliation:** Korean Society of Mycology. Korean Society of Mushroom Science.

**Correspondence:** **Mailing Address:** Siddhartha Margl, House No. 511, Ghatte Kulo, Dilli Bazar-29, Kathmandu, Nepal. **Phone number/Cell:** 4771042/9810198318. **E-mail:** bhushan.shrestha@gmail.com



**108. Bibhuti Ranjan Jha (M; 1963; Lalitpur, Nepal)**



- Category:** Environment. Natural Resource. River Fish Ecology.
- Current Affiliation:** Professor, Kathmandu University, Dhulikhel, Kavre, Nepal.
- Past Experiences:** Head of Department, Environmental Science and Engineering, Kathmandu University. Visiting Scholar, Virginia Polytechnic Institute and State University, Blacksburg, United States of America. Associate Professor, Kathmandu University, Dhulikhel, Nepal.
- Education:** PhD in Fish Ecological Studies and its Application in Assessing Ecological Integrity of Rivers in Nepal from Kathmandu University, Nepal and Agricultural University (BOKU), Vienna in 2006. MSc in Human Ecology from Free University of Brussels (VUB), Belgium in 1998. BSc in Botany, Zoology, Chemistry from Tri-Chandra College, Tribhuvan University, Nepal in 1987.
- Awards:** Nepali Fulbright Senior Scholar, Artist Program 2013-2014 (2013/2014) by US Department of State's Bureau of Educational and Cultural Affairs. North-South Fellowship Program (2002-2005) by Austrian Exchange Service. Belgian Administration of Development Cooperation (ABOS), (1996-1998) by Belgian Government.
- Expertise:** Environment and Natural Resource Management. Human Dimension of the Environment. Aquatic Ecology. River Fish Ecology.
- Professional Affiliation:** Kathmandu University, Dhulikhel, Nepal.
- Correspondence:** **Mailing Address:** Kathmandu University, Dhulikhel, Nepal, PO Box 6250. **Phone number/Cell:** +9779841359519. **E-mail:** bibhuti@ku.edu.np

**109. Bidur Dhungel (M; 1983; Kathmandu, Nepal)**

**Category:** Zoology.

**Current Affiliation:** Research Director, Southwestern Centre for Research and PhD Studies (PhD Centre), Kirti Marga, Koteshwor, Kathmandu.

**Past Experiences:** Post-Doctoral Researcher, University of Turku, Finland. Research Scientist, Research Laboratory for Biotechnology and Biochemistry, Nepal. Research Assistant, University of the Ryukyus, Japan.

**Education:** PhD in Molecular Physiological Studies on Butterfly Wing Color Pattern Formation from University of the Ryukyus, Japan in 2013. MSc in Pharmacological and Molecular Approach to Butterfly Wing Color Pattern Formation from University of the Ryukyus, Japan in 2010. BSc in Thermostable Glucose Isomerase from Psychrotolerant *Streptomyces* species from Pokhara University, Nepal in 2006.

**Awards:** Travel Grant (2014) by Okinawa Institute of Science and Technology, Japan. Zoological Science Award (2010) by Zoological Society of Japan. Fuji Award (2010) by Zoological Society of Japan.

**Expertise:** Phylogenetics. Entomology. Gene Transfer.

**Professional Affiliation:** Japanese Universities Alumni Association, Nepal (JUAAN).

**Correspondence:** **Mailing Address:** Sagun Marga-102, Gyaneshwor, Kathmandu, Nepal.  
**Phone number/Cell:** 9860041678. **E-mail:** bidurstonel@gmail.com



**110. Bidya Shrestha (F; 1957; Kathmandu, Nepal)**

**Category:** Microbiology.

**Current Affiliation:** Professor, Tri-Chandra Multiple Campus, Tribhuvan University, Ghantaghar, Kathmandu.

**Past Experiences:** Associate Professor, Tri-Chandra Multiple Campus, Tribhuvan University. Assistant Professor, Tri-Chandra Multiple Campus, Tribhuvan University. Assistant Lecturer, Central Department of Microbiology, Tribhuvan University, Ghantaghar, Kathmandu.

**Education:** PhD in Medical Microbiology-Phenotypic and Genotypic Characterization of Nosocomial Isolates of *Staphylococcus aureus* from Hospitals of Nepal, Emerging Antibiotic Resistance, Virulence Factors and Molecular Epidemiology with Special Reference to MRSA from Institute of Medical Science, Banaras Hindu University, India in 2010. MSc in Microbiology-Study of *Campylobacter* in Diarrheal and non-Diarrheal Nepalese Children, and Detection of Rotavirus in Diarrheal Children from Tribhuvan University, Nepal in 1992. BSc in Biology-Study of Types of Earthworms of Specific Localities of Kathmandu Valley from Tribhuvan University, Nepal in 1978.

**Awards:** Nabil Science and Technology Award (2019) by Nepal Academy of Science and Technology. Fulbright Visiting Scholar Grant for Post-Doctoral Researchers (2016) by The Fulbright Commission (USEF/Nepal). Nepal Vidhya Bhusan 'Ka' (2014) by Government of Nepal. Academic Scholarship for the Pursuance of PhD in Medical Microbiology (2006) by University Grants Commission. Royal Nepal Academy of Science and Technology Award (1993) for MSc Thesis. International Universities Honorary Exchange Seminar (1992) by Asia University, Japan. Merit Student Scholarship (1992) by Tribhuvan University. British Council Scholarship (1985) by Government of United Kingdom.

**Expertise:** *Staphylococcus aureus* specifically Methicillin-Resistant *S. aureus*. Antibiotic Resistance and Virulence Factors. Diagnostics in Virology.

**Professional Affiliation:** Tri-Chandra Multiple Campus, Kathmandu.

**Correspondence:** **Mailing Address:** Lalitpur-3, Pulchowk, Nepal. **Phone number/Cell:** 9841350850. **E-mail:** bidyashr@gmail.com, b\_shrestha\_07@hotmail.com



**111. Bidyanand Prasad (M; 1964; Bara, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Professor, Thakur Ram Multiple Campus, Birganj, Parsa.

**Past Experiences:** Assistant Lecturer, TRM Campus. Lecturer, TRM Campus. Reader, TRM Campus.

**Education:** PhD in Mathematics-Study of Separation Axioms-Like Properties in Fuzzy Topological Spaces from BRABU, Muzaffarpur, India in 2009. MSc in Mathematics from Bihar University, Muzaffarpur, India in 1988. BSc in Physics, Chemistry, Mathematics from Bihar University, Muzaffarpur, India in 1984.

**Professional Affiliation:** Council for Mathematics Education, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Department of Mathematics, TRM Campus, Birganj, Nepal. **Phone number/Cell:** 9814206375. **E-mail:** bidyanand.prasad20@gmail.com



## 112. Bijay Bajracharya (M; 1978; Kathmandu, Nepal)

**Category:** Immunoparasitology.

**Current Affiliation:** Microbiologist, Save The Children, Teku, Kathmandu.

**Past Experiences:** Consultant Infectious Disease Biologist, Vector Borne Disease Research and Training Center. Lecturer, Central Department of Biotechnology. Research Associate, Center for Molecular Dynamics-Nepal.



**Education:** PhD in Adenosine Production Via CD39/CD73 Pathway Promotes *Leishmania amazonensis* Survival in Macrophages from Federal University of Ouro Preto, Brazil in 2014. MSc in Prevalence of Vulvovaginal Candidiasis in Females Attending Gynecological Outpatient Department at Tribhuvan University Teaching Hospital from Central Department of Microbiology, TU, Nepal in 2003. BSc in Biology from Tri-Chandra Multiple College, Nepal in 1998.

**Awards:** Vidhya Bhushan 'Ka' (2015) by President of Nepal. Menção Honrosa award (2013) by Brazilian Purine Club. Zigman Brener Award (2013) by Brazilian Society of Protozoology.

**Expertise:** Basic of Microbiological Techniques. Perform Routine and Special Laboratory Investigations Including Both Cultural and Non-Cultural Techniques. Sample Preparation, Sample Processing Bodily Fluids and Materials, Sterilization Techniques, Basic Microscopy in Malarial, *Leishmania* Parasites, Enzyme Assays, Protein Estimation Assays, Nitric Oxide, Superoxide Production Assays. Molecular Biology: Bacterial Culture, Mammalian Cell Culture, DNA and RNA Isolation. Gel Electrophoresis, Reverse Transcriptase PCR. Immunobiology: ELISA, Western Blotting, Antibody Production and Purification. Production of M-CSF From Bone Marrow Stem Cells. Cellular Biology: Multicolor Flow-Cytometry, Immunofluorescence, Cell Culture, Macrophages, Dendritic Cells, Neutrophils and T Cells Purification. Co-Cultivation Assays. Apoptosis Assays. Parasite Biology: Cultivating *Leishmania* Parasites. Purification of Infective Forms. Infection *in Vitro* and *in Vivo*. Isolating the Parasites from Experimental Models. Macrophage, Neutrophils or Dendritic Cell Infection with Parasites. Animal Handling: Maintenance of Mouse Colonies, Breeding Set Up, Peritoneal Injection. Isolation of Macrophages, Dendritic Cells and Neutrophils from Mouse Bone Marrow. Isolation of Peritoneal Macrophages. Genetic Diagnosis: qPCR, PCR, Flow Cytometry-Based Genetics.

**Professional Affiliation:** Scientific Core Member, Center for Health and Disease Studies-Nepal, Sankhamul, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Save The Children, Teku, Kathmandu, Nepal. **Phone number/Cell:** 9808323454. **E-mail:** bjbajra@gmail.com

### **113. Bijay Giri (M; 1974; Morang, Nepal)**

**Category:** Mechanical Engineering. Biomechanics.

**Current Affiliation:** Engineering Manager, Hi-Lex America Inc, Rochester Hills, MI, USA.

**Past Experiences:** R&D Project Manager, TBK America Inc. Post-Doctoral Research Fellow, University of Texas at San Antonio, USA. Post-Doctoral (JSPS) Research Fellow, Hokkaido University, Japan.

**Education:** PhD in Bone Biomechanics from Hokkaido University, Japan in 2009. MSc in Bone Biomechanics from Hokkaido University, Japan in 2006. BSc in Mechanical Engineering from Institute of Engineering, Tribhuvan University, Nepal in 1999.

**Awards:** Japan Society for the Promotion of Science (JSPS) Post-Doctoral Fellowship for Foreign Researchers (2010) by Government of Japan. Monbukagakuso Scholarship Award for Doctoral Degree (2006) by Government of Japan. Monbukagakuso Scholarship Award for Master's Degree (2003) by Government of Japan.

**Expertise:** Mechanics of Materials & Solids. Orthopedic/Bone Biomechanics. Mechanical Engineering Design.

**Professional Affiliation:** American Society of Mechanical Engineers (ASME), USA. Nepal Engineers' Association (NEA). American Society of Nepalese Engineers (ASNEng).

**Correspondence:** **Mailing Address:** 829 Balsam Circle. **Phone number/Cell:** 1-2105016180. **E-mail:** bijaygiri@hotmail.com



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#### 114. Bijay Kumar Singh (M; 1995; Mahottari, Nepal)

**Category:** Forestry.

**Current Affiliation:** Chair, Forest Action, Kathmandu, Nepal.

**Past Experiences:** Expert Consultant, UNDP, FAO, IFAD, UNOPS, USAID, CARE Nepal, CIDA, Hariyo Ban. Executive Board Member, President Chure Terai Madhesh Conservation Development Board, Nepal. FAO Expert Consultant, Hills Leasehold Forestry and Forage Development Project, Nepal.



**Education:** PhD in Social Inclusion-Exclusion of River Affected Downstream People in Conservation and Management of Fragile Churia Hill Linking Upstream and Downstream Linkage from the Perspective of Environmental Services from Tribhuvan University, Institute of Forestry Pokhara, Nepal in 2012. MSc in Community Participation in Contract Reforestation Projects in Laguna Province from University of the Philippines at Los Banos, Philippines in 1991. BSc in Experiment Test of Germination of *Tectona grandis* at IOF Nursery, Hetauda from Tribhuvan University, Institute of Forestry, Pokhara, Nepal in 1984.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2013) by Dr. Ram Baran Yadav, President of Nepal.

**Expertise:** Forestry. Project Formulation. Monitoring and Evaluation. Climate Change Adaptation.

**Professional Affiliation:** Life Member, Nepal Foresters' Association. Life Member, Nepal Evaluation Society. Chair, Forest Action Nepal.

**Correspondence:** **Mailing Address:** PO Box 3482, Kathmandu, Nepal. **Phone number/Cell:** 01-4372361/9851094328. **E-mail:** bijaymegha@gmail.com

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#### 115. Bijay Lal Pradhan (M; 1973; Chitwan, Nepal)

**Category:** Statistics.

**Current Affiliation:** Associate Professor, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Research Coordinator, Balkumari Campus, Bharatpur.

**Education:** PhD in Statistics from Pacific University, India in 2016. MSc in Statistics from Tribhuvan University, Nepal in 1996. BSc in Statistics, Mathematics, Physics from Tribhuvan University, Nepal in 1994.



**Awards:** Nepal Vidhya Bhusan 'Ka' (2016) by Government of Nepal. PhD Grant (2012) by UGC Nepal.

**Expertise:** Data Analysis Using R, Python, SPSS, Genstat. Research Methodology and Sampling Techniques. Survey Techniques.

**Professional Affiliation:** QAA Coordinator, Editor of Amrit Journal, Amrit Campus, Tribhuvan University, Lainchaur. Secretary, Operational Research Society of Nepal, Baneshwor. General Secretary, Network for Quality Productivity and Competitiveness-Nepal.

**Correspondence:** **Mailing Address:** Dhara Marg, Maharajgunj, Kathmandu, Nepal. **Phone number/Cell:** 9855030302. **E-mail:** bijayprad@gmail.com

**116. Bijaya Kattel (M; 1953; Tanahu, Nepal)**

**Category:** Natural Science. Ecosystem Conservation.

**Current Affiliation:** Senior Planner, South Florida Water Management District, 3301 Gun Club Road, West Palm Beach, Florida.

**Past Experiences:** Senior Planner, South Florida Water Management District. Biological Administrator, Florida Fish and Wildlife Conservation Commission. Deputy Director General, Government of Nepal, Ministry of Forest and Soil Conservation, Department of National Parks and Wildlife Conservation.

**Education:** PhD in Ecology of the Himalayan Musk Deer from Colorado State University, Colorado, United States in 1992. MSc in Big Game Management in the Terai of Nepal from Colorado State University, United States in 1985. BSc in Chemistry, Zoology, Botany from Tribhuvan University, Nepal in 1973.

**Awards:** Supraval Gorakha Dakshinbahu (1994) by King of Nepal (Head of State). Professional Achievement Award (Top Award in Natural Sciences) (1997) by Colorado State University. Fulbright Fellowship (1989) by Department of State, USA.

**Expertise:** Biodiversity Conservation in both developing and developed countries . Threatened and Endangered Species of Wildlife. Ecosystem Restoration and Conservation.

**Professional Affiliation:** Sigma XI-The Research Society, Regular Member. Audubon Society, USA. Association of Environmental Professionals (Certified Environmental Professional).

**Correspondence:** **Mailing Address:** 12197 Sunset Point Circle. **Phone number/Cell:** 5613586549. **E-mail:** bijkat@gmail.com



**117. Bijaya Krishna Shrestha (M; 1963; Kathmandu, Nepal)**

**Category:** Urban Design.

**Current Affiliation:** Visiting Faculty, Post-Graduate Department of Urban Design and Conservation, Khwopa Engineering College, 932/38 Samakhushi Marga, Kathmandu-26, Nepal.

**Past Experiences:** Coordinator, Open Space Management Program, UN-Habitat, Lalitpur, Nepal. Manager, Town Development Fund [TDF], Kathmandu, Nepal. Researcher, Disaster Management Planning Hyogo Office, United Nations Centre for Regional Development (UNCRD), Japan.

**Education:** PhD in Urban Engineering from University of Tokyo, Japan in 1998. MSc in Urban Design from University of Hong Kong, China in 1995. BE in Bachelor of Architecture from Indian Institute of Technology, Roorkee, India in 1988.

**Awards:** Calcutta Convention National award (2006) for Best Technical Paper Presentation on ISTE 2005 National Conference Held in South India by Indian Society for Technical Education. Gold Medal (Mahendra Vidhya Bhusan 'A') (2004) by Government of Nepal. Gold Medal (Mahendra Vidhya Bhusan 'B') (2008) by Government of Nepal.

**Expertise:** Urban Design. Disaster Management. Local Level Planning.

**Professional Affiliation:** Life Member, Regional and Urban Planners' Society of Nepal [RUPSON]. Member, Nepal Engineering Council (NEC). Editorial Member, International Editing Board of Urbani Izzivi Journal, Published by Urban Planning Institute of The Republic of Slovenia.

**Correspondence:** **Mailing Address:** 932/38 Samakhushi Marga, Kathmandu-26, Nepal. **Phone number/Cell:** 014021637/9841-347-187. **E-mail:** bkshrestha@hotmail.com



### 118. **Bijaya Pant Sitoula (F; 1965; Terhathum, Nepal)**

- Category:** Botany. Plant Biotechnology.
- Current Affiliation:** Professor, Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu, Nepal.
- Past Experiences:** Associate Professor, Central Department of Botany, Tribhuvan University. Assistant Professor, Central Department of Botany, Tribhuvan University.
- Education:** PhD in Biotechnology-Mechanism of Action of Photosensitive Pigment Blepharismine Having Antibacterial and Antitumor Activities from Hiroshima University, Japan in 1997. MSc in Botany, Karyomorphological study of Lentil (*Lens culinaris*) from Central Department of Botany, Tribhuvan University, Nepal in 1992. BSc in Botany, Zoology, Chemistry from Tri-Chandra College, Kathmandu, Nepal in 1989.
- Awards:** Rotary Yoneyama Memorial Award (1995) by Rotary Yoneyama Memorial Foundation, Japan. Dipendra Young Scientist Award (1997) by RONAST. Nabil Science and Technology Award (2019) by NAST.
- Expertise:** Plant Tissue Culture. Molecular Technique. Anticancer Assay on Medicinal Orchids.
- Professional Affiliation:** Botanical Society of Nepal. Annapurna Research Center. Biotechnology Association of Nepal.
- Correspondence:** **Mailing Address:** Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 5535714/9841359626. **E-mail:** b.pant@cdbtu.edu.np



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### 119. **Bikash Lamsal (M; 1987; Kaski, Nepal)**

- Category:** Information Technology. Image Processing. Computer Vision.
- Current Affiliation:** Researcher, Kajima Corporation, Technical Research Institute, 2-19-1 Tobitakyu, Chofu shi, Tokyo, Japan.
- Past Experiences:** Visiting Researcher, Aoyama Gakuin University. Research Assistant, Ashikaga Institute of Technology. Teacher, Kairinjuku School.
- Education:** PhD in Development of a Robust Face Detection System Under Various Environmental Conditions from Ashikaga Institute of Technology, Japan in 2017. ME in Face Detection from Ashikaga Institute of Technology, Japan in 2014. BTech in Face Detection from Ashikaga Institute of Technology, Japan in 2012.
- Awards:** Best Student Paper Award (2019) by International Conference on Industrial Application Engineers. Best Student Paper Award (2015) by International Conference on Intelligent System and Image Processing. Best Presentation Prize (2016) by Asia Future Conference.
- Expertise:** Image Processing. Computer Vision (VR/AR). Artificial Intelligence.
- Professional Affiliation:** Kajima Corporation, Technical Research Institute, Tokyo, Japan. Aoyama Gakuin University, Sagami-hara, Japan. B and B Tech, Nepal.
- Correspondence:** **Mailing Address:** 5-10-108, Nishi Yamato Danshi, Wako, Saitama, Japan. **Phone number/Cell:** +818043244551. **E-mail:** bikashaitjp@gmail.com



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## 120. Bikash Nakarmi (M; 1979; Kathmandu, Nepal)

**Category:** Engineering.

**Current Affiliation:** Professor, Nanjing University of Aeronautics and Astronautics, Jianjun Rd, Jiangling, Nanjing, China.

**Past Experiences:** Research Professor, KAIST. Project Research and Development Manager, InLC Technology. Visiting Post-Doctoral Researcher, Nanjing University.

**Education:** PhD in Electrical Engineering from KAIST, Republic of Korea in 2012. ME in Cognitive Radio from Harbin Engineering University, China in 2008. BE in Electronics and Communication from TU, Nepal in 2004.

**Awards:** Best Research Faculty Award (2017) by Nanjing University of Aeronautics and Astronautics. Post-Doctoral Award (2014) by Korea Advanced Institute of Science and Technology. Visiting Post-Doctoral Award (2012) by Nanjing University of Aeronautics and Astronautics.

**Expertise:** Microwave Photonics. Digital Photonics and Optical Communication. Surface Plasmonics-based Biosensors.

**Professional Affiliation:** CEO, Samadhan Engineering, Kathmandu, Nepal. Professor, Nanjing University of Aeronautics and Astronautics, China. Research Professor, Korea Advanced Institute of Science and Technology, Korea.

**Correspondence:** **Mailing Address:** Nanjing University of Aeronautics and Astronautics, 29 Jiangjun Rd, Jiangling, Nanjing, China. **Phone number/Cell:** +8618602547573/+97798869274080. **E-mail:** bikash@nuaa.edu.cn/bikash@kaist.ac.kr.



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## 121. Bikram Acharya (M; 1984; Dolakha, Nepal)

**Category:** Technology Management. Economics and Policy.

**Current Affiliation:** Associate Researcher Fellow, Policy Research Institute, Sano Gaucharan, Kathmandu, Nepal.

**Past Experiences:** Head Department of Information and Technology, Prime College, Nayabazar Kathmandu. Post-Doctoral Researcher, Seoul National University.

**Education:** PhD in Modeling local Government's Perception Towards Implementation of ICT Infrastructure and Services Through Public Private Partnership Mechanism: Case of Nepal from Seoul National University, Republic of Korea in 2018. MSc in Effective E-Learning Adoption Policies in Developing Countries A Case of Nepal with Conjoint-Based Discrete Choice Approach from Seoul National University, Republic of Korea in 2015. BE in Mobile Tracker from Tribhuvan University, IOE Pulchowk Campus, Nepal in 2009.

**Awards:** Mondialogo Engineering Award (2009) by Mondialogo (Joint initiative of Daimler AG and UNESCO).

**Expertise:** Information Technology Policy. Technology Policy. Technology Forecasting.

**Professional Affiliation:** Policy Research Institute, Sano Gaucharan, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Mahalaxmi-4, Hattiban, Lalitpur, Nepal. **Phone number/Cell:** 9841608815. **E-mail:** bikramac@gmail.com



### 122. **Bimala Pangen** (F; 1983; Rupandehi, Nepal)

**Category:** Biochemical Engineering.

**Current Affiliation:** Assistant Professor, Tri-Chandra Multiple Campus, Tribhuvan University, Kathmandu.

**Past Experiences:** Research Fellow (October 2009 to September 2010), Saga University, Japan.

**Education:** PhD in Chemical Engineering from Saga University, Japan in 2014. MSc in Botany-Taxonomy from Tribhuvan University, Nepal in 2008. BSc in Botany from Butwal Multiple Campus Butwal, Nepal in 2004.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2018) by Government of Nepal.

**Expertise:** Material Engineering. Separation Science. Precious Metal Recovery.

**Professional Affiliation:** Chemical Society of Japan.

**Correspondence:** **Mailing Address:** Kathmandu-14, Kalanki, Nepal. **Phone number/Cell:** 9819425887. **E-mail:** bpangeni2049@gmail.com



### 123. **Bimala Devi Devkota Paudel** (F; 1971; Gorkha, Nepal)

**Category:** Environmental Science. Slope Stabilization by Bioengineering Techniques.

**Current Affiliation:** Senior Scitific Officer, Nepal Academy of Science and Technology, Khumaltar Lalitpur, Nepal.

**Past Experiences:** Part time Lecturer, Birendra Multiple Campus, Bharatpur Chitwan. Part Time Lecturer, SAAN International College and Research Center, Gairidhara Kathmandu. Consultant Environmental Officer (World Bank Funded), Geo-Environment and Social Unit, Department of Roads, Babar Mahal, Kathmandu.

**Education:** PhD in Low Cost Technogy for Land Slide Stablistment from Kyushu University, Japan in 2008. MSc in Botany (Ecology) from Central Department of Botany, Tribhuvan University in 1998. BSc in General Biology (Chemistry, Botany and Zoology) from Amrit Science College, Kathmandu in 1994.

**Awards:** Young Scientist Award (2008) by Nepal Academy of Science and Technology. Nepal Vidhya Bhusan 'Ka' (2008) by Government of Nepal. Best Employee Award (2013) by Nepal Academy of Science and Technology.

**Expertise:** Slope Stabilization by Bioengineering Techniques. Climate Change. Biodiversity.

**Professional Affiliation:** Nepal Academy of Science and Technology, Khumaltar Lalitpur, Nepal.

**Correspondence:** **Mailing Address:** Kathmandu-26, Samakhushi, Mhepee, Nepal. **Phone number/Cell:** 9841031253. **E-mail:** diku98@gmail.com



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**124. Bimala Subba (Jimee) (F; 1976; Dhankuta, Nepal)**

**Category:** Organic Chemistry. Biochemistry.  
**Current Affiliation:** Lecturer, Central Department of Chemistry, TU, Kirtipur, Kathmandu, Nepal.  
**Past Experiences:** Lecturer, Siddhartha Boarding Secondary School, Damak -12, Jhapa.  
**Education:** PhD in Biochemistry-Biosynthesis of Ribostamycin and Neomycin: Expression, Inactivation and Characterization from Sunmoon University, South Korea in 2006. MSc in Organic Chemistry from Central Department of Chemistry, Tribhuvan University in 1999. BSc in Biology Group from Mahendra Morang Adarsh Multiple Campus, Biratnagar, Nepal in 1997.  
**Awards:** Youth Science and Technology Award (2072) by NAST.  
**Expertise:** Genetic Engineering. Organic Chemistry. Enzyme Assay.  
**Correspondence:** **Mailing Address:** Central Department of Chemistry, TU, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 015191045/9841560361. **E-mail:** bimalasubba@gmail.com



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**125. Binaya Kumar Mishra (M; 1972; Rautahat, Nepal)**

**Category:** Water. Environment. Climate Change.  
**Current Affiliation:** Professor, School of Engineering, Pokhara University, Pokhara-30, Kaski.  
**Past Experiences:** Associate Professor, Mid-Western University, Nepal. Assistant Professor and Researcher, The University of Tokyo, Japan. Senior Lecturer, Kathmandu Engineering College, Nepal.  
**Education:** PhD in Flood hydrology from Kyoto University, Japan in 2009. MSc in Water Resources from IOE, Tribhuvan University, Nepal in 2004. BSc in Civil Engineering from Institution of Engineers, India in 1999.  
**Expertise:** Integrated Water Resources Management. Climate Change Projections Downscaling and Impact Assessment. Water Related Disaster Risk Reduction.  
**Professional Affiliation:** Nepal Engineering Council. Nepal Engineers' Association. The Institution of Engineers (India).  
**Correspondence:** **Mailing Address:** School of Engineering, Pokhara University, Kaski, Nepal. **Phone number/Cell:** 9858088566. **E-mail:** bkmishra@pu.edu.np



**126. Binayak Bhandari (M; 1980; Bara, Nepal)**

**Category:** Mechanical Engineering. Railroad Engineering. Artificial Intelligence.

**Past Experiences:** Assistant Professor, Woosong University. Post-Doctoral Fellow, Seoul National University. Research Assistant, Kathmandu University.

**Education:** PhD in Mechanical Engineering (Renewable Energy System) from Seoul National University, Republic of Korea in 2014. ME in Mechanical Engineering from Myongji University, Republic of Korea in 2009. BE in Mechanical Engineering from Kathmandu University, Nepal in 2004.

**Awards:** Korean Government Scholarship (2009) by Korean Government. Best Paper Award (2012) by Asisan Precision Engineering Society.

**Expertise:** Renewable Energy System. Railroad Engineering. Artificial Intelligence/ Machine Learning.

**Professional Affiliation:** Woosong University, South Korea. Daejeon-Dong-Go, South Korea. Department of Railroad and Transport Management.

**Correspondence:** **Mailing Address:** Daejeon, Dong-Go, Chungjung-Ro-136, South Korea. **Phone number/Cell:** +82-10-5196-7774. **E-mail:** thebinayak@gmail.com.



**127. Binita Koirala Sharma (F; 1982; Kaski, Nepal)**



- Category:** Medical Microbiology.
- Current Affiliation:** Lecturer, Gandaki Medical College and Teaching Hospital, Pokhara, Nepal.
- Past Experiences:** Lecturer, Manipal College of Medical Sciences, Pokhara. Lecturer, Pokhara Bigyan Tatha Prabidhi Campus, Pokhara. Lecturer, Pokhara Technical and Health Multipurpose Institute, Pokhara.
- Education:** PhD in “Effect of *Zingiber officinale* Rhizome Extracts and Pure [6]-Gingerol on the Activity and Expression of Matrixmetalloproteinase (Mmp)-2, 9 And Tissue Inhibitor of Metalloproteinase (Timp)-1, 2 Involved in Vascular Leakage in an *in Vitro* Model of Dengue VIR from University of Santo Tomas, Manila, Philippines in 2015. MSc in Comparative Study of Polymerase Chain Reaction (PCR) And Loop-Mediated Isothermal Amplification (LAMP) for Direct Detection of *Mycobacterium tuberculosis* in Sputum from Tribhuvan University, Nepal in 2006. BSc in Microbiology from Tri-Chandra Campus, Tribhuvan University, Nepal in 2004.
- Awards:** Nepal Vidhya Bhusan Padak ‘A’ (2016) by Bidhya Devi Bhandari, President of Nepal. Kaski District Topper (Among Government Schools) in School Leaving Certificate Examination (SLC) Board Exam (1999) by Nepal Nijamati Karmachari Sangathan. Awards of “CUMLAUDE” for PhD Graduation (2015) by University of Santo Tomas.
- Expertise:** Medical Microbiology. Molecular Biology. Biochemistry. Cell, Tissue Culture. Virus Propagation. Phytochemical Extraction from Plants. HPLC and Drug Testing for Antibacterial, Antiviral And Anticancer Activity.
- Professional Affiliation:** Gandaki Medical College and Teaching Hospital, Department of Microbiology, Pokhara, Nepal. Janapriya Multiple Campus, Department of Microbiology, Pokhara, Nepal. Manipal College of Medical Sciences and Teaching Hospital.
- Correspondence:** **Mailing Address:** Gandaki Medical College, Department of Microbiology, Pokhara, Nepal. **Phone number/Cell:** +9779856036122. **E-mail:** binita\_keshab@yahoo.com

**128. Binjwala Shrestha (F; 1959; Sankhuwasabha, Nepal)**

**Category:** Public Health.

**Current Affiliation:** Assistant Professor, Institute of Medicine.

**Past Experiences:** Assistant Professor, Institute of Medicine.

**Education:** PhD in Challenges in Prevention and Timely Care of Uterine Prolapse in Nepal from Gothenburg University, Sweden in 2015. MA in Sociology in Teenage Pregnancy and Associated Factors in Among Married Adolescent Girls in Kathmandu) from Tribhuvan University, Nepal in 2002. Bachelor in Public Health in factors Associated with Discontinues of Depo-Provera Injection Among Women Attending family Planning Clinics from Tribhuvan University, Institute of Medicine, Nepal in 1996.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2016) by President of Nepal. Award for 25 Years Service in Tribhuvan University (2013) by Vice-Chancellor of TU.

**Expertise:** Gender and Women Health Issues. Public Health Research. Health and Human Rights.

**Professional Affiliation:** Maharajgunj Medical Campus. Central Department of Public Health. World Health Organization.

**Correspondence:** **Mailing Address:** Lalitpur-11, Patan, Kobahal Tole, Nepal. **Phone number/Cell:** 9851063747. **E-mail:** binjwalashrestha59@gmail.com



**129. Binod Adhikari (M; 1979; Nuwakot, Nepal)**

**Category:** Physics.

**Current Affiliation:** Lecturer, St. Xavier's College, Maitighar, Kathmandu.

**Past Experiences:** Lecturer, Little Angels' College.

**Education:** PhD in Hildcaa-Related Effects Recorded In Middle-Low Latitude Magnetometers from National Institute for Space Research, Brazil in 2015. MSc in Physics from Tribhuvan University, Nepal in 2005. BSc in Physics from Tribhuvan University, Nepal in 2002.

**Expertise:** Space Science. Geophysics. Solar Physics.

**Professional Affiliation:** Associate Academician, NAST. Space Technology Advisor, MoEST. Editor-in-Chief, Journal of Nepal Physical Society.

**Correspondence:** **Mailing Address:** Likhu-6, Nuwakot, Nepal. **Phone number/Cell:** +9779843492311. **E-mail:** binod.adhi@gmail.com



### 130. Binod Bastola (M; 1984; Morang, Nepal)

**Category:** Physics.

**Current Affiliation:** Scientist, Huawei Technologies Canada Inc, 100-2475 Boulevard Laurier, Québec, QC, G1T 2X3.

**Past Experiences:** Manager, One Silicon Chip Photonics.

**Education:** PhD in Optical Spectroscopy Investigation of Fiber Optic High Temperature Sensors from National Institute of Scientific Research (INRS)-University of Quebec, Canada in 2018. MSc in Solid State Physics from Tribhuvan University, Nepal in 2010. BSc in Physics from Tribhuvan University, Nepal in 2008.

**Awards:** NSERC (2014) by Natural Sciences and Engineering Research Council Canada.

**Expertise:** Physics. Photonics. Optics.

**Professional Affiliation:** Member, Optical Society of America (OSA). Member, Society of Photo-Optical Instrumentation Engineers (SPIE).

**Correspondence:** **Mailing Address:** 104-2220 Avenue Chapdelaine, G1V 4G9, Quebec. **Phone number/Cell:** +1 438 345 0025. **E-mail:** binodbastola@gmail.com



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### 131. Binod Dawadi (M; 1975; Gorkha, Nepal)

**Category:** Climatology. Meteorology.

**Current Affiliation:** Associate Professor, Tribhuvan University, Kirtipur, Kathmandu.

**Past Experiences:** Lecturer, Central Department of Hydrology and Meteorology, Tribhuvan University.

**Education:** PhD in Climatology-Meteorology from University of Chinese Academy of Sciences, China in 2013. MSc in Meteorology from Tribhuvan University, Nepal in 1999. BSc in Meteorology from Tribhuvan University, Nepal in 1996.

**Awards:** Excellent Student Award (2013) by Chinese Academy of Sciences.

**Expertise:** Climatology. Climate Change.

**Professional Affiliation:** Society of Hydrologist and Meteorologist (SOHAM) Nepal. American Geophysical Union (AGU) USA. Group of Environment Research and Preservation Nepal (GREP-Nepal).

**Correspondence:** **Mailing Address:** Central Department of Hydrology and Meteorology, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 9851079900. **E-mail:** dawadibinod@gmail.com



**132. Binod Karki (M; 1980; Kathmandu, Nepal)**

**Category:** Gastroenterology. Hepatology.  
**Current Affiliation:** Associate Professor, Nepalese Army Institute of Health Sciences, Sanobharyang, Kathmandu.  
**Past Experiences:** Assistant Professor, Nepalese Army Institute of Health Sciences. Medical officer, Shree Birendra Hospital.  
**Education:** DM in Gastroenterology from National Academy of Medical Sciences, Nepal in 2019. MD in Internal Medicine from National Academy of Medical Sciences, Nepal in 2011. MBBS from Maharashtra University of Health Sciences, India in 2002.  
**Awards:** Km Ela Chhiber Gold Medal in Biochemistry (1999) by Armed Forces Medical College. Certificate of Excellence for First in Community Medicine (2002) by Armed Forces Medical College. Jivraj Ashrit Kadar Patra for ISc Board First (1999) by A Ne Ra Sa Bi Yu.  
**Expertise:** Gastroenterology. Hepatology.  
**Professional Affiliation:** Associate Professor Nepalese Army Institute of Health Sciences.  
**Correspondence:** **Mailing Address:** Department of Medicine, Shree Birendra Hospital, Chhauni, Kathmandu, Nepal. **Phone number/Cell:** 9841253747. **E-mail:** binod.karki@naihs.edu.np



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**133. Binod Kumar Bhattarai (M; 1965; Kathmandu, Nepal)**

**Category:** Physics.  
**Current Affiliation:** Professor, Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal.  
**Past Experiences:** Researcher, Norwegian University of Science and Technology, NTNU, Norway. Researcher, University of Calgary, Canada.  
**Education:** PhD in Factors Affecting Solar Ultraviolet Radiation from Norwegian University of Science and Technology, NTNU, Norway in 2007. MSc in Physics from Norwegian University of Science and Technology, NTNU, Norway in 2002. BSc from Tribhuvan University, Nepal in 1987.  
**Awards:** Nepal Vidhya Bhusan 'Ka' (2008) by Government of Nepal Quota Program (2003) by Norwegian University of Science and Technology, NTNU, Norway. International Resident Fellowship (1998) by University of Calgary.  
**Expertise:** Solar Ultraviolet Radiation. Climate Change. Environmental Pollution.  
**Correspondence:** **Mailing Address:** Pulchowk Campus, Lalitpur, Nepal. **Phone number/Cell:** 9851188926. **E-mail:** binod.bhattarai@ioe.edu.np



**134. Binod Kumar Sah (M; 1966; Mahottari, Nepal)**

**Category:** Statistics.

**Current Affiliation:** Associate Professor, RRM Campus, Department of Statistics, Janakpurdham, Janakpur.

**Past Experiences:** Part Time Teacher, RRM Campus, Department of Statistics, Janakpur. Assistant Lecturer (Contract), RRM Campus, Department of Statistics, Janakpur. Lecturer (Permanent), RRM Campus, Department of Statistics, Janakpur.

**Education:** PhD in Statistics-Generalisations of Countable and Continuous Mixtures of Poisson Distribution and their Applications from Patana University, Patana, India in 2013. MSc in Statistics from Central Department of Statistics, Tribhuvan University, Nepal in 1993. BSc in Mathematics, Statistics, Physics from Patan Multiple Campus, Lalitpur, Nepal in 1991.

**Awards:** Nepal Vidhya Bhusan, 'Ka', 2075 (2018) by Rt Honorable President of Nepal, Bidhya Devi Bhandari.

**Expertise:** Probability Mixtures Distribution. Inferential Statistics. Design of Experiment and Sampling.

**Professional Affiliation:** RRM Campus, Department of Statistics, Janakpurdham, Nepal.

**Correspondence:** **Mailing Address:** MIT Campus, District Post Office, Janakpurdham (Postal Code 45600). **Phone number/Cell:** 9844221085. **E-mail:** sah.binod01@gmail.com



**135. Binod Kumar Yadav (M; 1976; Mahottari, Nepal)**

- Category:** Health. Medical Science. Clinical Biochemistry.
- Current Affiliation:** Associate Professor & Head, Maharajgunj Medical campus, Tribhuvan University Teaching Hospital, Institute of Medicine, Maharajgunj.
- Past Experiences:** Assistant Professor, Biochemistry, Maharajgunj Medical Campus, Tribhuvan University Teaching Hospital, Institute of Medicine.
- Education:** PhD in Polymorphism in Genes of the Reactive Oxygen Species family (NADPH oxidase, SOD and GPx) and cerebrovascular stroke from Chonbuk National University, Jeonju, Republic of Korea in 2015. MSc in Polymorphism at Cyclin D1, XRCC1 and GSTM1 Gene Loci as Risk Factor for Oral Precancerous Lesion from All India Institute of Medical Sciences (AIIMS), New Delhi, India in 2005. BSc in Nosocomial Infection from Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh, India in 2003.
- Awards:** Nepal Vidhya Bhusan (2017) by President of Nepal. Mahendra Vidhya Bhusan (2005) by Then His Majesty King Gyanendra Bikram Shah. Nepal Education Medal (2011) by Ministry of Education.
- Expertise:** Clinical and Medical Biochemistry. Molecular Biology. Molecular Genetics.
- Professional Affiliation:** Member, Americal Association of Clinical Chemistry (AACC). Life Member, Nepalese Association of Medical Laboratory Science (NAMLS). Life Member, Nepal Molecular Biology Association (NEMBIS) and Neuroscience Society of Nepal (NSN).
- Correspondence:** **Mailing Address:** Department of Biochemistry, TU Teaching Hospital, Maharajgunj, Kathmandu, Nepal. **Phone number/Cell:** +9779841511207. **E-mail:** binod3aug@gmail.com



**136. Binod Prasad Devkota (M; 1966; Chitwan, Nepal)**



- Category:** Forestry and Environmental Science.
- Current Affiliation:** Under-Secretary, Ministry of Forests and Environment, Singh Durbar, Kathmandu, Nepal.
- Past Experiences:** District Forest Officer, Division Forest Office, Morang. District Forest Officer, District Forest Office, Lalitpur. District Forest Officer, District Forest Office, Dadeldhura.
- Education:** PhD in Socio-Economic Outcomes of Community Forestry in Nepal: Lessons from Three Diverse Rural Communities from Charles Sturt University, School of Environmental Sciences, Faculty of Science, Australia in 2012. MSc in Environmental Management and Development-Has Community Forestry Led Sustainable Management and Development in Nepal? From Australian National University, Canberra, Australia in 2001. BSc in Biogas Technology: Changing patterns of Forest Products from Tribhuvan University, Institute of Forestry, Nepal in 1993.
- Awards:** International Post Graduate Scholarship (2008-2012) by Australian Government. Charles Sturt University Studentship (2008-2012) by Charles Sturt University, NSW. AUSAID Scholarship (1999-2001) by AUSID/ Australian Government.
- Expertise:** Scientific Forest Management. Environmental Impact Assessment. Environmental Governance and Public Policy. Community-Based Forest Management (CBFM), Monitoring and Evaluation of Projects and Program.
- Professional Affiliation:** Nepal Foresters' Association. Chitwan Foresters' Society. Australia-Nepal Almuni Association (ANNA).
- Correspondence:** **Mailing Address:** Bharatpur-8, Gauriganj, Chitwan, Nepal. **Phone number/Cell:** 9841234131. **E-mail:** binoddevkota@ymail.com

### 137. Binod Prasad Luitel (M; 1977; Gorkha, Nepal)

**Category:** Agriculture. Horticulture.

**Current Affiliation:** Senior Researcher, NARC, HRS, Dailekh, Nepal.

**Past Experiences:** Senior Researcher, HRS, Dailekh, NARC.

**Education:** PhD in Haploid Technology in Capsicum from Kangwon National University, Republic of Korea in 2012. MSc in Postharvest Handling in Vegetables from Tribhuvan University, Nepal in 2001. BSc in Horticulture from Tribhuvan University, Nepal in 1999.

**Awards:** Outstanding Award (2012) by Kangwon National University, Republic of Korea.

**Professional Affiliation:** Nepal Horticulture Society.

**Correspondence:** **Mailing Address:** HRS, Dailekh. **Phone number/Cell:** 9858056666. **E-mail:** binodsan@yahoo.com



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### 138. Bipin Kumar Acharya (M; 1979; Dang, Nepal)

**Category:** GIS and Remote Sensing.

**Current Affiliation:** Research Associate, Sun Yat-sen University, 74 Zhongshan Road 2, Guangzh510080.

**Past Experiences:** Part Time Teaching Faculty, Nec-cps. GIS Expert, Soyan Megasoft. GIS Analyst ADM Carto Consult.

**Education:** PhD in Remote Sensing and GIS from University of Chinese Academy of Sciences, China in 2018. MPhil in Human Geography from University of Bergen, Norway in 2008. BA in Geography from Tribhuvan University, Nepal in 2001.

**Awards:** CAS-TWAS Presidential PhD Fellowship (2014) by World Academy of Sciences/Chinese Academy of Sciences. EFN Professional Development Grant of Russell E. Train for Natural Science from World Wildlife Fund (2011) by WWF US. Bergen Summer Research School Fellowship (2016) by University of Bergen.

**Expertise:** Spatial Analysis. Remote Sensing. Epidemiology.

**Professional Affiliation:** Life Member, Nepal GIS Society. Life Member, Nepal Geographical Society.

**Correspondence:** **Mailing Address:** 74 Zhongshan Road 2, Guangzhou 510080. **Phone number/Cell:** +8618814097056/+9779841180617. **E-mail:** acharyageog@gmail.com.



### 139. Bipin Vaidya (M; 1962; Lalitpur, Nepal)

**Category:** Food Microbiology.

**Current Affiliation:** Research Professor, Channam National University, 77 Yongbong-Ro, Bukgu, Gwangju, Korea.

**Past Experiences:** Research Scientist, Texas A&M, University, Texas, USA. Post-Doctoral Fellow, CNU, Gwangju, Korea. DME Associate, World Vision, Nepal.

**Education:** PhD in The Effect of Storage Temperature, Roasting, Coating and Turmeric Extract on Oxidative Stability of Walnut, Grape Seed and Soybean Oils from CNU, Gwangju, Republic of Korea in 2013. MSc in Effects of Seed Roasting on Physicochemical Characteristics of Mustard Seed Oil During Heating or Storage in Dark from Inha University, Incheon, Republic of Korea in 2009. BSc in Effect of Malting in Chemical Constituents of Wheat and Barley Chat Conversation End Type A Message from Central Campus of Technology, Dharan, Nepal in 1989.

**Expertise:** Virus Detection and Control. Foodomics. Lipid Oxidation.

**Professional Affiliation:** The Korean Fisheries Science Society, Yongso-ro, Nam-gu, Busan, Korea.

**Correspondence:** **Mailing Address:** Blue Ocean #405, 1249-31 Yongbong-dong, Bukgu, Gwangju, Korea. **Phone number/Cell:** 82-10-5954-4471. **E-mail:** bipinvaidya@gmail.com



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### 140. Biplav Shrestha (M; 1984; Morang, Nepal)

**Category:** Biochemistry. Cell Signaling. Molecular Biology and Immunology.

**Current Affiliation:** Post-Doctoral Research Fellow, Baruch S. Blumberg Institute, Pennsylvania Biotech Centre, 3805 Old Easton Road, Doylestown, PA, USA.

**Past Experiences:** PhD Research Student, Sun Moon University. Lecturer, Lord Buddha Education Foundation.

**Education:** PhD in Biochemistry from Sun Moon University, Republic of Korea in 2019. MSc in Microbiology from University of Mysore, India in 2009. BSc in Microbiology from Tri-Chandra College, Nepal in 2006.

**Awards:** Full Studentship for PhD Studies (2013) by Sun Moon University. Silver Jubilee Scholarship (2007) by Indian Embassy, Government of India.

**Expertise:** Molecular Biology. Biochemistry. Immunology.

**Professional Affiliation:** American Association for Cancer Research (AACR), PA, USA. American Society for Microbiology (ASM), Washington, DC, USA.

**Correspondence:** **Mailing Address:** 3805 Old Easton Road, Doylestown, PA, USA. **Phone number/Cell:** 2679451011. **E-mail:** biepluv@gmail.com



### 141. Bir Bahadur Khanal Chhetri (M; 1964; Kaski, Nepal)

**Category:** Forestry and Natural Resources Management. Statistics.

**Current Affiliation:** Professor, Institute of Forestry, Pokhara Campus.

**Past Experiences:** Professor, Pokhara Campus, Institute of Forestry, Tribhuvan University. Campus Chief, Pokhara Campus, Institute of Forestry, Assistant Campus Chief, Pokhara Campus, Institute of Forestry, Pokhara.



**Education:** PhD in NRM-Livelihoods, Forests, and Poverty in the Nepal Himalaya from University of Copenhagen, Denmark in 2011. MSc in NRM-Community Forestry Program in The Hills of Nepal: Determinants of User Participation and Household Dependency from University of Life Sciences, Norway in 2005. BSc in Physical Group from Prithvi Narayan Campus, Tribhuvan University, Nepal in 1988.

**Awards:** DANIDA Fellowship (2007) by Danida Fellowship Centre, Denmark. NORAD Fellowship (2003) by Norway. UMN Fellowship (1980-83 and 1995-96) by United Mission to Nepal.

**Expertise:** Livelihoods. Poverty and Community Based Forest Management. Forest Resources and Mathematical Modelling. Statistics. Bio-metrics.

**Professional Affiliation:** Forest Resources and Mathematical Modeling (FORMATH) Research Group, Japan. The International Association for the Study of the Commons (IASC). Forest Action, Nepal.

**Correspondence:** **Mailing Address:** Institute of Forestry, Pokhara Campus, Nepal. **Phone number/Cell:** 061432002/9846422002. **E-mail:** bbkchhetri@iofpc.edu.np

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### 142. Biraj Singh Thapa (M; 1979; Morang, Nepal)

**Category:** Engineering.

**Current Affiliation:** Assistant Professor, Kathmandu University, Dhulikhel, Kavre.

**Past Experiences:** Faculty In-Charge, Turbine Testing Lab, Kathmandu University. Research Fellow, Turbine Testing Lab, Kathmandu University. Teaching Assistant, Department of Mechanical Engineering, Kathmandu University.



**Education:** PhD in Fluids Engineering from Norwegian University of Science and Technology, Norway in 2016. MSc in Hydraulic Turbines from Kathmandu University, Nepal in 2012. BE in Mechanical Engineering from Kathmandu University, Nepal in 2002.

**Awards:** Best Paper Award (2019) by International Conference on Advancements in Engineering Education. Best Paper Award (2011) by Asia-Pacific Forum on Renewable Energy.

**Expertise:** Established a Track Record for The High Impact Publication with Scopus h-index: 9, Demonstrated Capacity in Undertaking Cross-Disciplinary Research and Securing Grants, Specialized Knowledge and Experiences on Hydropower Technology and Sediment Handling.

**Professional Affiliation:** Nepal Engineering Council.

**Correspondence:** **Mailing Address:** Block 32, Kathmandu University Staff Quarter. **Phone number/Cell:** 9861936212. **E-mail:** bst@ku.edu.np

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**143. Birendra Kumar Bhattachan (M; 1956; Myagdi, Nepal)**

- Category:** Agriculture Crop Science. Agronomy-Seed Science. Technology in Soil Science.
- Current Affiliation:** Professor, Agriculture and Forestry University, Rampur, Chitwan Nepal.
- Past Experiences:** Reader, IAAS, Rampur Campus, Tribhuvan University. Lecturer, Institute of Agriculture and Animal Science Paklihawa Campus, Tribhuvan University. Assistant Lecturer, IAAS, Lamjung Campus, Tribhuvan University, Sundar Bazar, Lamjung.
- Education:** PhD in Fertilizer Management of Rainfed Lowland Rice in Midhills of Nepal from CLSU and IRRI, Nepal in 2011. MSc in Agriculture (Agronomy-Seed Science and Technology) from University of the Philippines Los Banos, Philippines in 2003. BSc in Agriculture elective in Horticulture from TU, IAAS, Rampur Chitwan, Nepal in 1984.
- Awards:** Poor and Intelligence Scholarship (1979-1980) by TU, Sanothimi Campus, Bhaktapur. International Scholarship (2000-2003) by World Bank funded AREP Project. PhD Thesis Scholarship (2009-2011) by International Rice Research Institute.
- Expertise:** Book Writing in Agronomy and Seed Science and Technology. Thesis Research and Writing Guiding for MSc Students. Research Conducting and Writing in Rice, Corn, Wheat, Mungbean and Soybean.
- Professional Affiliation:** Association of Nepalese Agriculture Professionals in America (NAPA). Nepal University Teachers' Association. Nepal Agriculture Association.
- Correspondence:** **Mailing Address:** AFU, Department of Agronomy, Rampur, Chitwan Nepal. **Phone number/Cell:** +9779849211012. **E-mail:** bkbkumar56@yahoo.com



**144. Bisheswar Prasad Yadav (M; 1981; Parsa, Nepal)**



- Category:** Plant Molecular Biology. Biotechnology. Crop Science.
- Current Affiliation:** Senior Scientist and National Oilseed Coordinator, Nepal Agricultural Research Council (NARC), Singhdurbar Plaza, Kathmandu, Nepal.
- Past Experiences:** Scientist, Rars, Parwanipur, Bara, NARC. Assistant Professor, Faculty of Science, Harikhetan Multiple Campus, Birgunj, Parsa. Technical Adviser, State Agriculture Minister, Hon. Smt. Kareema Begam, Ministry of Agricultural Development, Singhdurbar, Kathmandu.
- Education:** PhD In Effect of Different Cropping Sequence and Nitrogen Rates on Winter Hybrid Maize from Institute of Agriculture and Animal Sciences, Rampur, Chitwan, Tribhuvan University, Nepal in 2016. MSc in Molecular Characterization of Cry/Vip Genes and Efficacy of Native *Bacillus thuringiensis* Isolates from Tripura Region of India From Institute of Agricultural Biotechnology, College of Agriculture, University of Agricultural Sciences, Dharwad, Karnataka, India in 2007. Bsc In Improvement of Agriculture, Soil Management, Insect and Pest Management and Seed Production Technique from Rajasthan College of Agriculture, Maharana Pratap University of Agriculture and Technology, Udaipur, Rajasthan, India in 2004.
- Awards:** Young Scientist Award (2012) By Nepal Youth Society, Kathmandu, Nepal. Best Cadet Award (2004) By National Cadet Corps (NCC) From 10 Raj Bn Ncc, Udaipur, Rajasthan, India. Best Student of The Year Award (2004) By Rajasthan College of Agriculture.
- Expertise:** Biotechnical Techniques, Isolation from Soil, Purification, Staining and Crystal Identification of Bacteria Plasmid and Chromosomal DNA Isolation and Purification PCR Diagnosis and Characterization of Genetic profiles. HPLC, UV, ELISA, Colorimetric, Western Blotting, Real Time Immuno PCR Technique. Amplification and Confirmation of DNA/RNA Sequences by PCR. Quantitative Determination of DNA, RNA and Proteins Restriction, Purification and Ligati on of DNA Genetic Transformation, Proficiency in Crop Science, Recommendation on Agronomical Cultural and Practices of Different Crops (Maize, Wheat, Rice, Mustard, Linseed, Rayo, Sarson, Sunflower, Niger, Til, Groundnut). Technical Writing, Booklets, Books.
- Professional Affiliation:** Editor, International Journal of Applied Sciences and Biotechnology. Life Member, Society of Agriculture Scientist, Nepal. Life Member, Biological and Biotechnolgy, Nepal. Life Member and Hon. Member, International Hybrid Rice Development Forum, China.
- Correspondence:** **Mailing Address:** Ranighat-10, Birgunj, Parsa, Nepal. **Phone number/Cell:** +9779804295791/9802919079/9854036252/051-527529. **E-mail:** masteryadavbp2001@gmail.com

**145. Bishnu Bilas Adhikari (M; 1965; Lamjung, Nepal)**



**Category:** Agriculture.

**Current Affiliation:** Associate Professor, Rampur Campus, Khairahani, Chitwan.

**Past Experiences:** Junior Technician (JT), District Agriculture Development Office (DADO), Beni, Myagdi. Junior Technician (JT), Lumle Agriculture Research Centre (LARC), Pokhara, Kaski. Assistant Professor, HICAST, Bhaktapur.

**Education:** PhD in Agronomy (Contribution of Germplasm and Management Options to System Productivity of Rainfed Rice (*Oryza sativa* L) in the Mid Hills of Nepal from Sam Higginbottom University of Agriculture, Technology and Sciences (SHIATS), Allahabad, UP, India in 2013. MSc in Agronomy-Nitrogen Use Efficiency Study on Rice Under Different Level of Nitrogen and Mulching Materials from Tribhuvan University, Institute of Agriculture and Animal Science, Rampur, Chitwan, Nepal in 2002. BSc in Agronomy from TU, IAAS, Rampur Campus, Nepal in 1998.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2015) by Dr. Ram Baran Yadav, President of Nepal. Plaque of Appreciation (2018) by International Rice Research Institute (IRRI) Director. Plaque of Appreciation (2018) by IAAS Dean Prof. Dr. Keshav Raj Adhikari.

**Expertise:** Local Project Coordinator. Stress Tolerant Rice for Africa and South Asia (STRASA) Project, Lamjung. Local Project Coordinator, Consortium for Unfavourable Rice Environment (CURE), IRRI, Philippines. Rice Expert, Upland and lowland rice for Lamjung, Tanahun and Gorkha District.

**Professional Affiliation:** Campus Chief, IAAS Lamjung Campus, Sundarbazar, Lamjung, Head, Department of Agronomy, Post Graduate Program, IAAS, Kirtipur, Nepal. Coordinator and Department Head, Rampur Campus, Khairahani, Chitwan.

**Correspondence:** **Mailing Address:** Rampur Campus, Institute of Agriculture and Animal Science, Tribhuvan University, Khairahani, Chitwan, Nepal. **Phone number/Cell:** 9855053820. **E-mail:** bbadhikari@iaas.edu.np, bishnuadhi2011@gmail.com

#### 146. Bishnu Gupt Gautam (M; 1987; Siraha, Nepal)

**Category:** Engineering.

**Current Affiliation:** Researcher, Zhejiang University, Anzhong building B707, Zijingang College, Zhejiang University, Hangzhou, China.

**Past Experiences:** Structure Engineer, BEAM Consultant Pvt Ltd, Lalitpur, Nepal.

**Education:** PhD in Bridge and Tunnel Engineering-Accelerated Bridge Construction from Zhejiang University, Hangzhou, China in 2020. MTech in Structural Engineering-Retrofitting of Column from SRM University, Chennai, India in 2013. BE in Civil Engineering-Analysis and Design of 5 Storey Building from Purbanchal University/AEC, Nepal in 2011.

**Awards:** Scholarship Award to Study PhD in China (2015) by Ministry of Education, Government of Nepal.

**Expertise:** Bridge Engineering. Structural Engineering. Finite Element Analysis (FEA).

**Professional Affiliation:** Nepal Engineering Council (NEC).

**Correspondence:** **Mailing Address:** Bishnu Gupt Gautam, Lahan-23 (Gadha), Siraha, Nepal. **Phone number/Cell:** +97733561311/9841556046/+86-15869009621. **E-mail:** bishnu@zju.edu.cn, bishnunpl@yahoo.com



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#### 147. Bishnu Hari Pandit (M; 1957; Tanahu, Nepal)

**Category:** Agroforestry. Rural Development and Watershed Management.

**Current Affiliation:** Chair and Professor, Kathmandu Forestry College (KAFCOL), Kathmandu, Nepal.

**Past Experiences:** Advisor and Chair, Nepal Agroforestry Foundation. National Leader, Agroforestry, Food and Agriculture Organization of United Nations Nepal. Team Leader, ACM, NewERA Ltd.

**Education:** PhD in Non-Timber Forest Products Management from Asian Institute of Technology, Thailand in 2003. MSc in Agricultural System-Agroforestry from Asian Institute of Technology, Thailand in 1994. BSc in Agriculture and Forestry from Agriculture University, Faisalabad, Pakistan in 1987.

**Awards:** Gold Medal (1987) by Agricultural University Faisalabad. Swiss Resource Award (2002) by Asian Institute of Technology. Implementation Prize (2019) by UK Aid Program.

**Expertise:** Impact Assessment. Agroforestry and Rural Development Planning. Watershed Management and Development.

**Professional Affiliation:** Kathmandu Forestry College (KAFCOL), Kathmandu Nepal. Nepal Agroforestry Foundation (NAF), Kathmandu Nepal. Ithaka Institute for Climate Farming Pvt Ltd, Tanahun Nepal.

**Correspondence:** **Mailing Address:** PO Box 9594, Kathmandu, Nepal. **Phone number/Cell:** 9851090739. **E-mail:** bhpanidit29@gmail.com



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**148. Bishnu P. Marasini (M; 1982; Rupandehi, Nepal)**

**Category:** Microbiology. Bioassay. Natural Product. Drug Discovery.

**Current Affiliation:** Head of Department, National College, Khusibu, Nayabazaar, Kathmandu.

**Past Experiences:** Lecturer, National College (Affiliated to Tribhuvan University). Research Fellow, International Center for Chemical and Biological Sciences (ICCBS). Research Intern, Nepal Academy of Science and Technology (NAST).

**Education:** PhD in Molecular Medicine from University of Karachi, Pakistan in 2013. MSc in Microbiology from Central Department of Microbiology, Tribhuvan University, Nepal in 2006. BSc in Microbiology from Tri-Chandra Multiple Campus, Tribhuvan University, Nepal in 2004.

**Awards:** TWAS Young Scientist Award (2017) by NAST/Honorable Prime Minister of Nepal. Nepal Vidhya Bhusan 'Ka' (2015) by Ministry of Education/Honorable President of Nepal.

**Expertise:** Microbial (Bacteria, Actinomycetes, Myxobacteria and Fungi) Culture and Techniques (PCR, Cloning). Enzyme Inhibition (Cell Line Based) Assay, Kinetics and Computational (Docking) Study. Organics Separation, Statistical Correlation and Data Analysis.

**Professional Affiliation:** Society for Medicinal Plant and Natural Product Research (GA), Seeheim-Jugenheim, Germany. Nepalese Society for Microbiology, Kathmandu, Nepal. Society of Life Sciences, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Siyari-4, Rupandehi. **Phone number/Cell:** 9847066906. **E-mail:** bishnu.marasini@gmail.com



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**149. Bishnu Pahari (M; 1975; Kaski, Nepal)**

**Category:** Medicine.

**Current Affiliation:** Consultant, Grande International Hospital, Dhapasi, Kathmandu.

**Past Experiences:** Assistant Professor, College of Medical Sciences Bharatpur. ISN Fellow, Mario Negri Institute Italy. Senior Resident, BPKIHS Dharan.

**Education:** DM in Acute Kidney Injury from Kathmandu University, Nepal in 2014. MD (Internal Medicine) in Nephrology from BPKIHS, Nepal in 2009. MD in Pulmonology from Nizny Novgorod Medical Academy, Russian Federation in 2000.

**Awards:** ISN Fellow (2011) by International Society of Nephrology. Leadership in CKD Award (2014) by Global Kidney Academy, UK.

**Expertise:** Internal Medicine. Nephrology. Kidney Transplantation.

**Professional Affiliation:** Grande International Hospital. Kathmandu University. BP Koirala Institute of Health Sciences.

**Correspondence:** **Mailing Address:** Grande Tower Dhapasi, Kathmandu, Nepal. **Phone number/Cell:** 9855064054. **E-mail:** drbishnupahari@gmail.com



**150. Bishnu Prasad Bhattarai (M; 1976; Chitwan, Nepal)**

**Category:** Zoology.

**Current Affiliation:** Assistant Professor, Central Department of Zoology, Institute of Science and Technology, Tribhuvan University, Kirtipur, Kathmandu.

**Past Experiences:** Research Fellow, Department of Biodiversity Research, Global Change Research Centre AS CR, Czech Academy of Sciences, Brno, Czech Republic. Principal, The Murray Orphan School, Bharatpur, Chitwan. Lecturer, Department of Zoology, Birendra Multiple Campus, Tribhuvan University, Bharatpur, Chitwan, Nepal.

**Education:** PhD in Challenges of Bengal Tiger (*Panthera tigris tigris*) Conservation in The Tropics: Lessons Learned from the Chitwan National Park, Nepal from Faculty of Science, University of South Bohemia, Biology of Ecosystems, Czech Republic in 2012. MSc in Conservation Threats on Wild Ungulates in Barandabhar Corridor Forest, Chitwan from Central Department of Zoology, Tribhuvan University, Nepal in 2002. BSc in Zoology from Birendra Multiple Campus, Tribhuvan University, Nepal in 2000.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2012) by Ministry of Education, Nepal.

**Expertise:** Conservation Biology of the Himalayan Flora and Fauna. Biogeography. Species Response to Climate Change.

**Professional Affiliation:** Reviewer, Biodiversity and Conservation, Acta Oecologica, Acta Zoologica Lutunia, Ecology and Evolution, Ecology & Society. Editor, Nepalese Journal of Zoology.

**Correspondence:** **Mailing Address:** Central Department of Zoology, IOST, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** +97714331896/9855066500. **E-mail:** bpbhattarai@cdztu.edu.np



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**151. Bishnu Prasad Devkota (M; 1981; Achham, Nepal)**

**Category:** Forestry.

**Current Affiliation:** Assistant Professor, Pokhara Campus, Institute of Forestry, Tribhuvan University, Pokhara, Nepal.

**Past Experiences:** Assistant Professor, Kathmandu Forestry College.

**Education:** PhD in From participation to responsiveness: The changing priorities of Community forestry Governance in Nepal's Terai. from University of Eastern Finland, Finland in 2019. MSc in Prey density and diet of snow leopard in Shey Phoksundo National Park, Nepal from Institute of Forestry, Tribhuvan University, Nepal in 2009. BSc in Resource inventory, harvesting and marketing of rattan in Sati Karnali Community Forest, Kailali from Institute of Forestry, Tribhuvan University, Nepal in 2005.

**Awards:** Centre for International Mobility Fellowship (2015) by Government of Finland. Russell E. Train Fellowship (2007) by World Wildlife Fund, USA.

**Expertise:** Forest Governance. REDD+. Wildlife Management.

**Professional Affiliation:** The Snow Leopard Network, Seattle, USA. Nepal Foresters' Association, Kathmandu, Nepal. Treering Society of Nepal, Kathmandu, Nepal.

**Mailing Address:** Institute of Forestry, Hariyokharka, Pokhara-15, Kaski. Phone number/Cell: +97761430387. E-mail: bpdevkota@iofpc.edu.np



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**152. Bishnu Prasad Pandey (M; 1978; Rupandehi, Nepal)**

**Category:** Biochemistry.

**Current Affiliation:** Assistant Professor, Kathmandu University, Dhulikhel, Kavre.

**Past Experiences:** Post-Doctoral Fellow, University of British Columbia, Canada.

**Education:** PhD in Chemical and Biological Engineering from Seoul National University, Republic of Korea in 2012. MSc in Chemistry from Tribhuvan University, Nepal in 2002. BSc in Chemistry from Amrit Science Campus, TU, Nepal in 2000.

**Awards:** Shinhan Graduate Student Best Researcher Award (2008) by Shinhan Foundation, Seoul National University. TWAS Young Scientist Award in Chemistry (2015) by Nepal Academy of Science and Technology. Nepal Vidhya Bhusan 'Ka' (2015) by Honorable President of Nepal.

**Expertise:** Molecular Biology and Genetic Engineering (DNA extraction, PCR, Gene Cloning, Plasmid Isolation, RNA Extraction, Real Time PCR, Protein Over Expression and Purification, Enzyme Kinetics Measurement, i.e. Km and Kcat, Gene Disruption, Gene Intrigation). Analytical Instrumentation (HPLC, GC-MS, LC-MS-MS, MALDI-TOF). Natural Products Chemistry.

**Professional Affiliation:** Life Member, Nepal Chemical Society. Member, American Society of Microbiology.

**Correspondence:** **Mailing Address:** Department of Chemical Science and Engineering, Kathmandu University, Dhulikhel, Kavre, Nepal. **Phone number/Cell:** 9847023919/9851223919. **E-mail:** bishnu@ku.edu.np



**153. Bishnu Prasad Choulagai (M; 1978; Jhapa, Nepal)**

**Category:** Public Health.

**Current Affiliation:** Associate Professor, Central Department of Public Health, Institute of Medicine, Tribhuvan University, Maharajgunj, Kathmandu, Nepal.

**Past Experiences:** Research Coordinator, TU Teaching Hospital, Paropakar Maternity Hospital, Kathmandu and University of California, San Francisco, USA. Health Support Officer, Britain Nepal Medical Trust, Nepal.

**Education:** PhD in Maternal and Neonatal Health from University of Gothenburg, Sweden in 2017. MSc in Public Health from Tribhuvan University, Nepal in 2005. Bachelor of Public Health in Public Health from Tribhuvan University, Nepal in 2001.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2018) by Right Honorable President of Nepal. Faculty Research Grants Award (2013 and 2016) by University Grants Commission of Nepal. PhD Scholarship (2012) by Global University Grant, University of Gothenburg, Sweden.

**Expertise:** Public Health Theory, Practices and International Health. Epidemiology. Health Professions Education. Medical Education.

**Professional Affiliation:** Central Department of Public Health, Institute of Medicine, Kathmandu. Patan Academy of Health Sciences, Lalitpur. School of Health and Allied Sciences, Pokhara University, Pokhara.

**Correspondence:** **Mailing Address:** Budhanilkantha-4, Pasikot, Kuwa Marga, Kathmandu, Nepal. **Phone number/Cell:** 9802051015. **E-mail:** bishnuc@gmail.com



**154. Bishnu Prasad Gautam (M; 1981; Gulmi, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Member, Province Planning Commission, Province No 5, Butwal.

**Past Experiences:** Post-Doctoral Fellow, The University of Toronto, Canada. Managing Director, Sarthak Concrete Pvt Ltd. Design Team Leader and Senior Structural Engineer (Hydroconsult), Butwal Power Company Ltd.

**Education:** PhD in Civil Engineering from The University of Toronto, Canada in 2016. ME in Civil Engineering from The University of Tokyo, Japan in 2007. BE in Civil Engineering from Tribhuvan University, Nepal in 2004.

**Awards:** Science and Technology Youth Award (2019) by National Academy of Science and Technology. VC Gold Medal For Securing The Highest Marks in Bachelor's Level Across The University (2009) by Tribhuvan University. Nepal Vidhya Bhusan 'Ka' (2008) by The President of Nepal.

**Expertise:** Structural Engineering with Mechanics and Materials aspects of Concrete Hydropower and Energy Sector (Work Experience and Involvement For 10+ Years). Policy and Planning (Working as a Member of a Province Planning Commission).

**Professional Affiliation:** Nepal Engineers' Association. Nepal Engineering Council. Structural Engineers' Association, Nepal.

**Correspondence:** **Mailing Address:** Sumeru Path, Tilottama-6, Rupandehi, Nepal. **Phone number/Cell:** 9851271100. **E-mail:** bgautam@gmail.com



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**155. Bisho Ram Lawaju (M; 1985; Bhaktapur, Nepal)**

**Category:** Agriculture.

**Current Affiliation:** Post-Doctoral Fellow, Auburn University, Auburn, AL, USA.

**Past Experiences:** Graduate Research Assistant, Mississippi State University, Starkville, MS, USA.

**Education:** PhD in Plant Pathology-The defense responses of *Glycine max* to *Heterodera glycines* and *Macrophomina phaseolina* from Mississippi State University, United States in 2017. MSc in Microbiology (Medical) from Tribhuvan University, Nepal in 2012. BSc in Microbiology from Tribhuvan University, Nepal in 2006

**Awards:** Mississippi Agricultural and Forestry Experiment Station (MAFES) Fellowship (2015) by Mississippi State University, Starkville, MS, USA.

**Expertise:** Nematology. Molecular Biology. Microbiology.

**Professional Affiliation:** Society of Nematologists (SON). American Phytopathological Society (APS), MN, USA. Mycological Society of America (MSA), WI, USA.

**Correspondence:** **Mailing Address:** 362 W Glenn Ave #202, Auburn, AL 36830, USA. **Phone number/Cell:** +1-662-312-0968. **E-mail:** lawaju.bishram@gmail.com



**156. Bishow Pokhrel (M; 1979; Rupandehi, Nepal)**

**Category:** Medicine.

**Current Affiliation:** Cardiac Surgeon, Shahid Gangalal National Heart Centre, Basbari, Kathmandu.

**Past Experiences:** Cardiac Surgeon, Shahid Gangalal National Heart Centre.

**Education:** PhD in Cardiovascular Surgery from Kobe University, Japan in 2010. MS in Surgery from TU Equivalent, Nepal in 2010. MBBS from University of Science and Technology, Bangladesh in 2004.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2019) by Government of Nepal.

**Expertise:** Cardiovascular Disease. Cardiovascular Surgery.

**Professional Affiliation:** Shahid Gangalal National Heart Centre. Bir Hospital. Lumbini Zonal Hospital.

**Correspondence:** **Mailing Address:** Buddhi Sagar Marga, Baluwataar-4, Kathmandu, Nepal. **Phone number/Cell:** 9851120636. **E-mail:** drbispo2@gmail.com



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**157. Bishwa Nath Oli (M; 1970; Chitwan, Nepal)**

**Category:** Forestry.

**Current Affiliation:** Secretary, Ministry of Forests and Environment, Singhadurbar, Kathmandu.

**Past Experiences:** Secretary, Ministry of Forests and Environment. Secretary, Ministry of Livestock Development. Secretary, Ministry of Population and Environment.

**Education:** PhD in Forestry from University of Copenhagen, Denmark in 2015. MSc in Natural Resource Management from University of Life Sciences, Norway in 2000. BSc in Forestry from Tribhuvan University, Nepal in 1995.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2016) by Government of Nepal. Suprabal Janasewa Shree (2019) by Government of Nepal.

**Expertise:** Forest Policy and Governance. Environment and Biodiversity. Climate Change.

**Professional Affiliation:** Life Member, Nepal Foresters' Association, Kathmandu, Nepal. Senate Member, Agriculture and Forestry University, Chitwan, Nepal. Vice-Chair, Asia Pacific Forestry Commission, Bangkok, Thailand.

**Correspondence:** **Mailing Address:** Ministry of Forests and Environment, Singhadurbar, Kathmandu, Nepal. **Phone Number/Cell:** 9841217761. **E-mail:** bn\_oli@yahoo.com, bishwa.oli@gmail.com



**158. Bishwa Prakash Subedi (M; 1987; Kaski, Nepal)**

**Category:** Protein Biochemistry and Structural Biology.

**Current Affiliation:** Research Fellow, Monash University, 381 Royal Parade Parkville.

**Past Experiences:** PhD candidate, AgResearch Institute. Graduate Student, University of Turku. Research Assistant, Turku Bioscience (Turku Centre for Biotechnology).

**Education:** PhD in Biochemistry-Structural and Functional Studies of Pseudomurein Peptide Ligases from Methanogenic Archaea from Massey University, New Zealand in 2018. MSc in Bioinformatics-Comparative Structural Studies of Wild-Type PhaZ7 and Tyr105 Mutants from Paucimonas Lemoignei from University of Turku, Finland in 2011. BSc in Biotechnology from Sikkim Manipal University, India in 2008.

**Awards:** Erasmus Mundus Exchange Scholarship (2014) by Erasmus Mundus. Varsinais-Suomi Regional Fund (2012) by Finnish Cultural Foundation. Eureka Scholarship (2009) by Erasmus Mundus External Cooperation Window Project.

**Expertise:** Protein Expression. Purification and Structure Determination Using X-ray Crystallography Technique. Structure Guided Fragment Based Drug Design. Bioinformatics. Structural Bioinformatics. Phylogenetic Analysis.

**Professional Affiliation:** International Union of Crystallography.

**Correspondence:** **Mailing Address:** 3/1 Glasgow Avenue VIC 3073, Reservoir, Melbourne Australia. **Phone number/Cell:** +61422756277. **E-mail:** subedi.bishwa@gmail.com



**159. Bishweshwar Pant (M; 1982; Kailali, Nepal)**

**Category:** Materials Science.

**Current Affiliation:** Post-Doc Fellow, Chonbuk National University, Jeollabuk-do, Jeonju, South Korea.

**Past Experiences:** Post-Doc Fellow, Inha University, Incheon, South Korea.

**Education:** PhD in Synthesis and Characterization of Carbon-based Nanostructures for Photocatalytic Applications from Department of BIN Convergence Technology, Chonbuk National University, Republic of Korea in 2016. MSc in Antibacterial Properties of Nylon-6/Ag Hybrid Nanofibers Mats from Department of Bionanosystem Engineering, Chonbuk National University, Republic of Korea in 2013. BSc in Microbiology, Chemistry, Zoology from Tri-Chandra College, Tribhuvan University, Nepal in 2006.

**Awards:** Excellent Paper Presentation Award (2014) by Korean Society of Industrial and Engineering Chemistry. Chonbuk National University International Students Award (2015) by Chonbuk National University.

**Expertise:** Fabrication of Nanostructured Organic and Inorganic Materials. Characterization of Nanomaterials. Environmental and Energy Applications of Nanomaterials.

**Professional Affiliation:** Department of Biomedical Sciences and Institute for Medical Science, Chonbuk National University Medical School, Jeonju, South Korea.

**Correspondence:** **Mailing Address:** Department of Biomedical Sciences and Institute for Medical Science, Chonbuk National University Medical School, Room No. 101-3, Jeonju, South Korea. **Phone number/Cell:** +821031417118. **E-mail:** bisup555@gmail.com, bisup@jbnu.ac.kr.



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### 160. Buddha Bahadur Basnet (M; 1987; Gulmi, Nepal)

**Category:** Biotechnology. Natural Product Chemistry and Drug Discovery.

**Current Affiliation:** Research Associate Fellow, Nepal Academy of Science and Technology, Khumaltar, Lalitpur.

**Past Experiences:** Visiting Researcher, Institute of Applied Chemistry, Eurasian National University, Astana, Kazakhstan. Senior Scholar, Huazhong University of Science and Technology, Wuhan, Hubei, China. Adjunct Teaching Assistant, Central Department of Biotechnology, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Education:** PhD in Endolichen Fungi Natural Product from University of Chinese Academy of Science, China in 2019. MSc in Natural Product and *Acinetobacter* spp. from Tribhuvan University, Nepal in 2013. BSc in Clinical Pathogens from Tribhuvan University, Nepal in 2008.

**Awards:** UNESCO-Great Wall Fellowship (2014) by China. CAS-TWAS Fellowship (2015) by China.

**Expertise:** Natural Product Chemistry. Drug Discovery. Eco-chemical Diversity of Lichens and Mushrooms.

**Correspondence:** **Mailing Address:** Lakhanpath, Kalikanagar-10, Butwal, Rupandehi, Province-5, Nepal. **Phone number/Cell:** 9843402464. **E-mail:** buddbsn.btechnep@gmail.com



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### 161. Buddha Ram Shah (M; 1968; Siraha, Nepal)

**Category:** Biophysics.

**Current Affiliation:** Senior Scientific Officer, Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal.

**Past Experiences:** Assistant Lecturer (1994-1998), Department of Physics, Amrit Campus, Lainchaur, Kathmandu.

**Education:** PhD in Biophysics-Amyloid Fibril Formation and Dissociation Studied by AFM, CD, NMR and High Pressure Fluorescence Spectroscopy from Kinki University, Kinokawa, Iwade-shi, Wakayama, Japan in 2011. MSc in Physics-Rapid Determination of K-40 in Samples of Soil from within Kathmandu Valley from Central Department of Physics, Tribhuvan University, Nepal in 1993. BSc in Physics, Math, Stat from Amrit Campus, Tribhuvan University, Nepal in 1990.

**Awards:** Bridge Fellowship (2018) by Japan Society for the Promotion of Science. Nepal Vidhya Bhusan 'Ka' (2012) by President of Republic of Nepal. RONPAKU Doctoral Fellowship (2007) by Japan Society for the Promotion of Science.

**Expertise:** Radiation Biology. Radiation Dosimetry. Radiation Protection.

**Professional Affiliation:** Nepal Physical Society. Nepal JSPS Alumni Association. Nuclear Society of Nepal. WHO-REMPAN, IAEA.

**Correspondence:** **Mailing Address:** Faculty of Science, Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** 5547715/9841516684. **E-mail:** buddharam.shah@nast.gov.np



**162. Buddhi Ratna Khadge (M; 1950; Kathmandu, Nepal)**

- Category:** Mycology (Mushroom Biology). Plant Pathology. Biotechnology.
- Current Affiliation:** Chairman, Bio-Technovative Power Pvt Ltd, Sunakothi, Lalitpur-23.
- Past Experiences:** Secretary, Nepal Academy of Science and Technology. Chief, Plant Pathology Division, NARC, Khumaltar. Chief, Planning Division, NARC, Singha Darwar, Kathmandu.
- Education:** PhD in Mycorrhizae from UP LosBanus, Philippines in 1988. MSc in Plant Pathology from UP LosBanus, in 1985. BSc in Plant Protection Elective from GB Pant University of Agriculture and Technology, India in 1972.
- Awards:** Fulbright Fellow (2001) by Fulbright Commission, USA. IRRI Fellow (1986) by International Rice Research Institute, Philippines. Research Fellow (1990) by International Foundation for Science, Sweden.
- Expertise:** Mycorrhizae (*Arbuscular haemorrhagic*). Mushroom Biology and Mushroom Entrepreneurship. Biological Management of Plant Diseases Using Bioagent like *Trichoderma*.
- Professional Affiliation:** Fulbright Alumni Association, Nepal. Society of Agricultural Scientists (SAS, Nepal).
- Correspondence:** **Mailing Address:** B-TOP, Sunakothi, Lalitpur, Nepal. **Phone number/Cell:** 9841540094. **E-mail:** buddhi.khadge@gmail.com



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**163. Chandra B Thapa (M; 1968; Baglung, Nepal)**

**Category:** Education. Teaching. Curriculum Development and Assessment. Material Synthesis and Characterizations.

**Current Affiliation:** Professor of Physics, Kansas Community College, Kansas City, Kansas.

**Past Experiences:** Teaching, Various Institutions in Nepal.

**Education:** PhD in Physics-Experimental Condensed Matter from Wayne State University, United States in 2010. MSc in Physics from Wayne State University, United States in 2006. BSc in Physics from Tribhuvan University, Nepal in 1997.

**Awards:** GTA/GRA (2003-2010) by Wayne State University.

**Expertise:** Undergraduate Level Studio Based Teaching in Science and Engineering. Curriculum Design and Development. Assessment Development and Implementation. Material Synthesis and Characterizations.

**Correspondence:** **Mailing Address:** 14930 S Gallery St, Olathe, KS 66062. **Phone number/Cell:** 9139530015. **E-mail:** chandrathapa@gmail.com



**164. Chandra Bahadur Thapa (M; 1958; Kaski, Nepal)**

**Category:** Ecology. Environment. Biodiversity.

**Current Affiliation:** Ex-Professor, Tribhuvan University, Kirtipur, Kathmandu.

**Past Experiences:** Campus Chief, Prithvi Narayan Campus (TU). Assistant Campus Chief, Prithvi Narayan Campus. Head, Department of Botany, PN Campus, Pokhara.

**Education:** PhD in Crop-Weed Competition and Various Method of Weed Control in Paddy from Tribhuvan University, Nepal in 2004. MSc in Sp. Forest Biology-Dessert-Radiation Biology from North-Easter Hill University, Shillong, Meghalaya, India in 1983. BSc in Botany (Hons) Chemistry, Zoology, English from North-Easter Hill University, Shillong, Meghalaya, India in 1981.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2006) by Government of Nepal. Long Service Medal (2010) by Tribhuvan University. Long Service Medal (2009) by Prithvi Narayan Campus, Pokhara.

**Expertise:** Weed Ecology. Crop-Weed Competition and Various Method of Weed Control in Crop Field. Environment and Bio-diversity.

**Professional Affiliation:** Tribhuvan University, Kirtipur, Kathmandu. Natural History Society of Nepal. Nepal Red Cross Society.

**Correspondence:** **Mailing Address:** Putalibazar-4, Syangja, Nepal. **Phone number/cell:** 9846037888. **E-mail:** cbthapadr@gmail.com



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**165. Chandra Bahadur Khatri (M; 1985; Kapilvastu, Nepal)**

**Category:** Mechanical Engineering. Machine Design. Tribology. Fluid Film Bearings.

**Current Affiliation:** Assistant Professor, Janakpur Engineering College, Kupondole Heights Road, Lalitpur 44600.

**Past Experiences:** Assistant Professor, Shri Ramswaroop Memorial College of Engineering and Management, Lucknow, India. Assistant Professor, Shri Ramswaroop Memorial College of Engineering and Management, Lucknow, India. Assistant Professor, Saroj Institute of Technology and Management, Lucknow.

**Education:** PhD in Mechanical Engineering, Machine Design-A Study of Non-Recessed Hybrid Journal Bearings with Textured Surfaces from Indian Institute of Technology, Roorkee, India in 2018. MTech in Mechanical Engineering, Machine Design-Active Vibration Control of Smart Cantiliver Beam and Circular Plate from Indian Institute of Technology, Roorkee, India in 2011. BE in Mechanical Engineering from Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Shree Institute of Science & Technology, MP, India in 2008.

**Expertise:** Mechanical Engineering. Machine Design. Tribology. Fluid Film Bearing. Textured Surfaces.

**Professional Affiliation:** Tribology Society of India.

**Correspondence:** **Mailing Address:** Banganga-7, Kapilvastu, Lumbini, Nepal. **Phone number/Cell:** 9821528560. **E-mail:** chandrakhatr86@gmail.com



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**166. Chet Raj Bhatta (M; 1966; Dadeldhura, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Professor, Central Department of Mathematics, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Assistant Dean, Institute of Science and Technology, TU. President, Nepal Mathematical Society. Head, Master Program, Siddhanath Science Campus, Mahendranagar.

**Education:** PhD in Harmonic Analysis-Behaviour of Function and Their Fourier Transform from University of Delhi, India in 2005. MSc in Mathematics from Tribhuvan University, Nepal in 1994. BSc in Mathematics from University of Pune, India in 1989.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2010) by Ministry of Education.

**Expertise:** PhD Supervision. Harmonic Analysis and Numerical Analysis. Various University Service Commission.

**Professional Affiliation:** Nepal Mathematical Society, Central Department of Mathematics, TU. American Mathematical Society, USA. Society for Industrial and Applied Mathematics, USA.

**Correspondence:** **Mailing Address:** Central Department of Mathematics, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 9851133363. **E-mail:** chetbhatta0@gmail.com



**167. Chet Prasad Bhatta (M; 1979; Gorkha, Nepal)**



- Category:** Ecology. Evolutionary Biology. Zoology. Environment. Entomology.
- Current Affiliation:** Assistant Professor, Radford University Carilion, 101 Elm Avenue SE, Roanoke, VA 24013, USA.
- Past Experiences:** Graduate Teaching and Research Assistant, University of Kansas, Lawrence, KS, USA. Graduate Teaching and Research Assistant, Ryerson University, Toronto, ON, Canada. Lecturer, Kathmandu Forestry College (TU), Koteshtwor, Kathmandu, Nepal.
- Education:** PhD in Ecology and Evolutionary Biology/Entomology-Foraging Difference, Potential Competition, and Resource Overlap Between Western Honey Bees (*Apis mellifera* L.) and Asian Honey Bees (*Apis cerana* F.) from University of Kansas, United States in 2018. MSc in Environmental Applied Science and Management from Ryerson University, Canada in 2013. BSc in Biology from Tribhuvan University, Nepal in 2001.
- Awards:** High Impact Practices (HIPs) Teaching Award (2019) by Radford University, USA. Artis College of Science and Technology (ACSAT) Award (2019) by Radford University, USA. Carlin Teaching Excellence Award (2017) by University of Kansas, USA.
- Expertise:** Ecology. Evolutionary Biology. Entomology. Zoology. Melittology. Pollination. Food Security. Environmental Sustainability.
- Professional Affiliation:** Entomological Society of America, MD, USA. Sigma Xi, The Scientific Research Honor Society, NC. Asian Apicultural Association, Xiangshan Beijing, PR China.
- Correspondence:** **Mailing Address:** Radford University Carilion (CRCH 807), 101 Elm Avenue SE, Roanoke, VA 24013, USA. **Phone number/Cell:** 15402244528/17859797992. **E-mail:** cbhatta@radford.edu, bhattachet@gmail.com

**168. Chhatra Bahadur Basnet (M; 1983; Solukhumbu, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Geotechnical Specialist, NEA Engineering Company Ltd, Trade Tower, Thapathali, Kathmandu, Nepal.

**Past Experiences:** PhD Candidate, Norwegian University of Science and Technology, Norway. Assistant Project Manager (Tunneling Design and Monitoring), Clean Energy Consultant Pvt Ltd. Hydropower Engineer, Clean Energy Consultant Pvt Ltd.

**Education:** PhD in Applicability of Unlined/Shotcrete Lined High Pressure Tunnels for Hydropower Projects in The Himalaya from Norwegian University of Science and Technology (NTNU), Norway, Norway in 2018. MSc in Hydropower Development, Evaluation on the Squeezing Phenomenon at the Headrace Tunnel of Chameliya Hydroelectric Project, Nepal from Norwegian University of Science and Technology (NTNU), Norway in 2013. BE in Civil Engineering from IOE Pulchowk Campus, Tribhuvan University, Nepal in 2007.

**Awards:** Norwegian Quota Scheme (2011) by Norwegian University of Science and Technology (NTNU), Norway. Poor and Intelligent Student Scholarship (2003) by IOE Pulchowk Campus, Tribhuvan University. Free Students' Union Excellence Award (2003) by Free Student Union, Pulchowk Campus.

**Expertise:** Hydropower Development. Rock Engineering. Tunneling.

**Professional Affiliation:** Nepal Society of Rock Mechanics (NSRM). Nepal Tunneling Association (NTA). Hydropower Association, Nepal.

**Correspondence:** **Mailing Address:** GPO Box, 26403, Kathmandu, Nepal. **Phone number/Cell:** 9841497162. **E-mail:** chhatra.basnet@gmail.com



**169. Chhatra Mani Sharma (M; 1970; Rupandehi, Nepal)**

**Category:** Environmental Science.

**Current Affiliation:** Professor, Tribhuvan University, Kirtipur, Kathmandu.

**Past Experiences:** Visiting Scientist, Chinese Academy of Sciences, China. Assistant Professor, Kathmandu University, Nepal. Post-Doc Researcher, Lappeenranta University of Technology, Finland.

**Education:** PhD in Nature Conservation and Management from Norwegian University of Life Sciences, Norway in 2008. MSc in Management of Natural Resources and Sustainable Agriculture from Agricultural University of Norway, Norway in 2003. BSc in Biology from Chhatra Sharma, Nepal in 1992.

**Awards:** Visiting Scientist (2017) by Chinese Academy Sciences. Post-Doc Researcher (2013) by Lappeenranta University of Technology, Finland. Young International Scientist (2009) by Chinese Academy of Sciences.

**Expertise:** Aquatic Ecology. Freshwater Pollution. Ecotoxicology.

**Professional Affiliation:** Society of Wetland Scientists, 1818 Parmenter St., Suite 300 Middleton, WI 53562, USA. Zoological Society of Nepal, Kathmandu, Nepal. Forum for Natural Resource Managers, Nepal.

**Correspondence:** **Mailing Address:** CDES, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 9849041997. **E-mail:** cmsharma@cdes.edu.np



**170. Chinta Mani Pokhrel (M; 1968; Kathmandu, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Professor, Tribhuvan University, Institute of Engineering, Pulchowk Campus, Lalitpur, Nepal.

**Past Experiences:** Head of the Department, Vice-Principal and Professor, Nepal. Engineering College, Changunarayan, Bhaktapur, Nepal. Principal, Himalaya College of Engineering, Chyasal, Lalitpur, Nepal. Principal, Kathmandu Model Secondary School, Bagbazar, Kathmandu.

**Education:** PhD in Mathematics-Covexity Preservation of Analytic, Harmonic, Plane Curves Under Hadamard Product (Complex Analysis) from Tribhuvan University, Under Sandwiched Scholarship of DAAD, Nepal in 2004. MSc in Mathematics from Central Department of Mathematics, Tribhuvan University, Nepal in 1992. BSc in Mathematics, Physics, Chemistry from Patan Campus, Tribhuvan University, Nepal in 1989.

**Awards:** Mahendra Vidhya Bhusan 'Ka' (2005) by Government of Nepal. TWAS Young Scientist Award (2007) by NAST.

**Expertise:** Real and Complex Analysis. Point Set and Algebraic Topology. Univalent Functions and Geometric Function Theory.

**Professional Affiliation:** Pulchowk Campus, Institute of Engineering. Nepal Engineering College. Himalaya College of Engineering.

**Correspondence:** **Mailing Address:** Department of Applied Sciences, Pulchowk Campus, Pulchowk, Lalitpur, Nepal. **Phone number/Cell:** 9851114111. **E-mail:** chintam@pcampus.edu.np



**171. Chintamani Gautam (M; 1979; Gulmi, Nepal)**

**Category:** Yoga Science.

**Current Affiliation:** Director, Nepal Yoga Academy, Changunarayan-5, Panchamahahalaxmi Temple, Chhayabasti, Bhaktapur.

**Past Experiences:** Yoga Instructor, Kathmandu Engineering College, Kalimati, Kathmandu.

**Education:** PhD in A comparative study of Yogic Wisdom in Swetaswataropanisad and Kathopanishad from Gurukul Kangari University, Haridwar, India in 2011. Human consciousness and Yogic sciences from Gurukul Kangari university, Haridwar, India in 2005. BSc in Shastri (Bachelor in Sanskrit from Sampurnananda Sanskrit University, Varanasi, India in 2002.

**Awards:** Nepal Vidhya Bhusan 'Ka'(2012) by President of Nepal.

**Expertise:** Spiritual Discourse and Training. Workshops on Asana, Pranayama. Health and Yogic Lifestyle. Skill and Personality Development. Skill Enhancement Workshop for Youth and Educational Institutions.

**Professional Affiliation:** Nepal Yoga Academy, Changunarayan-6, Telkot, Bhaktapur. Nepal Yoga Retreat Center, Changunarayan-5, Panchamahahalaxmi Temple, Chhayabasti, Bhaktapur. Pancha Sri Yoga Retreat, Changunarayan-5, Panchamahahalaxmi Temple, Chhayabasti, Bhaktapur.

**Correspondence:** **Mailing Address:** Changunarayan-5, Panchamahahalaxmi Temple, Chhayabasti, Bhaktapur, Nepal. **Phone number/Cell:** 9851092635. **E-mail:** yogichintamani@gmail.com



**172. Chiranjivi Regmi (M; 1954; Dang, Nepal)**

**Category:** Agriculture.

**Past Experiences:** Chairman, Service Commission, Nepal Academy of Science and Technology (NAST), Khumaltar, Lalitpur. Senior Scientist (Special Class), Nepal Academy of Science and Technology (NAST). Senior Scientist (First Class), NAST. Senior Scientist (Second Class), NAST.



**Education:** PhD in Agriculture-*Mycoplasma* like diseases of *Citrus* (Etiology, diagnosis and spread and control) in Nepal and Abkhazjia from Moscow Agricultural Academy, Russian Federation in 1982. MSc in Agriculture-*Psorosis* of citrus (spread, diagnosis and control) Peoples Friendship University in Abkhazia from People's Friendship University, Russian Federation in 1979.

**Awards:** Gehendra Shamsher JB Rana Science Technology Award (2001) by Government of Nepal. ABT Popularization Special Award (1994) by ABT Center Beijing, People's Republic of China. Mahendra Vidhya Bhusan by Government of Nepal.

**Expertise:** Citrus Pathology. Citrus Agronomy. Agronomy of Medicinal Plants.

**Professional Affiliation:** Member, International Organization of Citrus Virologists. Life Member, Nepal Horticulture Society. Member, Nepal Botanical Society.

**Correspondence:** **Mailing Address:** NAST, Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** +97714990053. **E-mail:** cregmi@hotmail.com

### 173. Choudhary Nagendra Roy Yadav (M; 1959; Rautahat, Nepal)

**Category:** Aquaculture. Zoology.

**Current Affiliation:** Professor, Postgraduate Program, Institute of Agriculture and Animal Science (IAAS), TU, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Professor, IAAS, Rampur Campus, Chitwan.

**Education:** PhD in Structure and Dimension of the Gills of a Hill Stream Fish, *Schizothorax richardsonii* (Gray) from Tilka Manjhi Bhagalpur University, Bhagalpur, Bihar, India in 2010. MSc in Artificial and Semi-Artificial Propagation of Asian Catfish, *Heteropneustes fossilis* (Bloch) from Asian Institute of Technology (AIT), Thailand in 1999. BSc in Zoology, Botany and Chemistry from Bihar University, L.S. College, Muzaffarpur, Bihar, India in 1979.

**Awards:** Her Majesty Queen Sirikit Environmental Scholarship (1998-1999) by Thai Royal Palace. Deergha Sewa Padak (2012) by Tribhuvan University, Kathmandu, Nepal.

**Expertise:** Aquaculture. Fisheries Consultant. Hypophysation. Fish Breeding.

**Correspondence:** **Mailing Address:** Bagdol, Pattipa, Lalitpur-4, Lalitpur, Nepal. **Phone number/Cell:** 9845050907. **E-mail:** cnryadav@yahoo.com



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### 174. Conrad Rizal (M; 1967; Myagdi, Nepal)

**Category:** Nanophononics. Biotechnology.

**Current Affiliation:** Entrepreneur and Principal Scientist, Seed Nano Tech International Inc, 4 Howell St, Brampton, ON, Canada.

**Past Experiences:** Principal Research Scientist, GEM Systems Inc, Canada. MITACS Elevate Post-Doc Researcher, York University, Canada. Post-Doc Fellow and Employee, UC San Diego, USA.

**Education:** PhD in Electrical and Computer Engineering from University of British Columbia, Canada in 2012. MSc in Nanoelectronics from Muroran Institute of Technology, Japan in 2001. BSc in Electrical and Electronics from Bangladesh University of Engineering and Technology, Bangladesh in 1994.

**Awards:** MITACS Canada (2016) by Government of Canada. NSERC Canada (2013) by Government of Canada. Monbukagakusho, Japan (1998) by Government of Japan.

**Expertise:** Magneto-Optics. Plasmonics. Sensor Technology. Silicon Nanophotonics. Optical Devices. Nano-fabrication. Characterization and Measurement.

**Professional Affiliation:** The Institute of Electrical and Electronic Engineering Inc (IEEE), USA. The Institute of Engineering and Technology (TheIET), United Kingdom. Professional Engineers of Ontario, Canada.

**Correspondence:** **Mailing Address:** 4 Howell St, Brampton, ON, Canada, L6Y3J6. **Phone number/Cell:** 6475694040. **E-mail:** c.s.rizal@gmail.com



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**175. Damaru Prasad Paneru (M; 1981; Kanchanpur, Nepal)**

- Category:** Public Health. Health System. Epidemiology. Maternal and Child Health.
- Current Affiliation:** Director and Associate Professor, School of Health and Allied Sciences, Pokhara University, Pokhara, Kaski, Nepal.
- Past Experiences:** Program Coordinator and Lecturer, National Academy for Medical Sciences, Old Baneshwar, Kathmandu, Nepal. Assistant Lecturer and Lecturer, Far west School of Medicine, Mahendranagar, Kanchanpur. Instructor, Institute for Community Health, Dhangadhi, Kailali.
- Education:** PhD in Public Health-Predictors of Birth Weight: a Prospective Study at Tertiary Care Hospital of North Karnataka, India from KLE University/Jawaharlal Nehru Medical College, Belgaum, Karnataka, India in 2015. Master of Public Health-Health Care Practices Among Health Workers at Peripheral Level Health Facilities from Allahabad Agricultural Institute-Deemed University, Allahabad, India in 2007. Bachelor of Education in Health Education from Tribhuvan University, Nepal in 2004.
- Awards:** Gold Medal (2009) by AAI-DU, Allahabad, India. Nepal Vidhya Bhusan 'Kha' (2009) by MOE/President of Nepal. Nepal Vidhya Bhusan 'Ka' (2016) by MOE/President of Nepal.
- Expertise:** Public Health. Health System. Epidemiology.
- Professional Affiliation:** School of Health and Allied Sciences, Faculty of Health Sciences, Pokhara University, Kaski, Nepal.
- Correspondence:** **Mailing Address:** Pokhara-30, Khudi, Kaski, Nepal. **Phone number/Cell:** 061-504036/37/9856069276/9841700026. **E-mail:** damaru.paneru@gmail.com, director@pushas.edu.np



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**176. Damodar Koirala (M; 1985; Kaski, Nepal)**

- Category:** Chemistry.
- Current Affiliation:** Assistant Professor, Pokhara University, Khudi-30, Pokhara.
- Past Experiences:** Assistant Professor, Pokhara University. Lecturer, Prithvi Narayan Campus.
- Education:** PhD in Mass Spectrometry-Study of Small Organic Compounds and Dipeptides from Purdue University, United States in 2016. MSc in Mass Spectrometry-Study of Small Organic Compounds and Dipeptides from Purdue University, United States in 2013. BSc in Biofuels from University of Wisconsin-Superior, United States in 2010.
- Awards:** PhD Scholar (2011) by Purdue University. Best Tutor of Year (2009) by University of Wisconsin-Superior.
- Expertise:** Mass Spectrometry. Analytical Chemistry. Instrumentation.
- Professional Affiliation:** Pokhara University. Prithvi Narayan Campus, Pokhara.
- Correspondence:** **Mailing Address:** Milan Tole-10, Pokhara, Nepal. **Phone number/Cell:** 9856077660. **E-mail:** koirala2059@gmail.com



**177. Danda Pani Adhikari (M; 1964; Gorkha, Nepal)**

**Category:** Geology. Environmental Science.

**Current Affiliation:** Professor, Department of Environmental Science, Tri-Chandra Multiple Campus, Tribhuvan University, Ghantaghar, Kathmandu.

**Past Experiences:** President (2015-2017), Nepal Geological Society. Editor-in-Chief (2013-2015), Journal of Nepal Geological Society. Climate Change Scientist (2007-2008), IUCN Nepal.

**Education:** PhD in Environmental Science-Paleoclimate Reconstruction Using Lake Sediments from Shinshu University, Matsumoto, Nagano, Japan in 2002. MSc in Geology-Paleomagnetic Investigation of the Ampipal Massif, Gorkha, Nepal from Tribhuvan University, Nepal in 1993. BSc in Geology, Physics and Mathematics from Tribhuvan University, Nepal in 1989.

**Awards:** Senior Fulbright Fellowship Award (2010-2011) by Government of USA. Japan Society for the Promotion of Sciences (JSPS) Post-Doctoral Fellowship Award (2003-2005) by Government of Japan. His Royal Highness Prince Youth Science and Technology Award (2004) by Nepal Academy for Science and Technology (NAST).

**Expertise:** Paleoclimate Reconstruction. Geology and Geohazards. Climate Change Impacts and Adaptation.

**Professional Affiliation:** Department of Geology, Tribhuvan University, Nepal. Department of Environmental Science, Tri-Chandra Campus, Tribhuvan University, Nepal. Overseas Universities/Research Institutions.

**Correspondence:** **Mailing Address:** Department of Environmental Sciences, Tri-Chandra Multiple Campus, Tribhuvan University, Ghantaghar, Kathmandu, Nepal. **Phone number/Cell:** 9841712360. **E-mail:** himalayawatch@gmail.com



**178. Daniel Tuladhar (M; 1975; Kathmandu, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Associate Professor, Department of Mechanical Engineering, Kathmandu University, Dhulikhel, Kavre, Nepal.

**Past Experiences:** Assistant Professor, Department of Mechanical Engineering, Kathmandu University. Lecturer, Department of Mechanical Engineering, Kathmandu University.

**Education:** PhD in Applied Mechanics-Antilock braking system from South-West State University, Russian Federation in 2011. Master in Mechanical (Heavy Equipment) Engineering from Kharkov State Automobile, Highway Technical University, Ukraine in 2001. Bachelor of Mechanical Engineering in from Kharkov State Automobile, Highway Technical University, Ukraine in 1999.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2012) by President of Nepal.

**Expertise:** Different Social Activities. Organizing Workshop/Training. Project or Team Management.

**Professional Affiliation:** Life Member, Nepal Engineering Council. Vice-Chairperson, Sector Skill Committee for Automobile, National Skill Testing Board/Nepal Vocational Qualifications System. Life Member, Mitra Kunj, Nepal.

**Correspondence:** **Mailing Address:** Department of Mechanical Engineering, Kathmandu University. **Phone number/Cell:** 9843088777. **E-mail:** daniel@ku.edu.np



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**179. Daya Ram Pokharel (M; 1971; Bardiya, Nepal)**

**Category:** Biochemistry.

**Current Affiliation:** Professor and Head, Department of Biochemistry, Manipal College of Medical Sciences, Pokhara-16, Kaski, Nepal.

**Past Experiences:** Associate Professor (2010-2017), Manipal College of Medical Sciences, Pokhara, Nepal. Associate Professor (2008-2010), Universal College of Medical Sciences, Bhairahawa, Nepal. Assistant Professor (2000-2008), Universal College of Medical Sciences, Bhairahawa, Nepal.

**Education:** PhD in Biochemistry from Banaras Hindu University, India in 2006. MSc in Organic Chemistry from Tribhuvan University, Nepal in 1994. BSc in Chemistry, Zoology and Botany from Amrit Campus, Tribhuvan University, Nepal in 1992.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2011) by President of Nepal. TCS Colombo Plan (2011) by TCS Colombo Plan, Ministry of Finance, Government of India. WHO/TDR Training Grant (2007) by WHO/TDR, Geneva.

**Expertise:** Molecular Parasitology. Biomarker Discovery and Validation. Clinical Chemistry.

**Professional Affiliation:** Nepalese Association for Clinical Chemistry. American Society for Microbiology. American Association of Clinical Chemistry.

**Correspondence:** **Mailing Address:** Department of Biochemistry, Manipal College of Medical Sciences, Pokhara-16, PO Box 155, Kaski, Nepal. **Phone number/Cell:** 9847111258. **E-mail:** drpokharel09@gmail.com



**180. Deb Prasad Pandey (M; 1977; Chitwan, Nepal)**



- Category:** Snake. Snakebite. Parasitology.
- Current Affiliation:** Adjunct Professor, Department of Veterinary Microbiology and Parasitology, Agriculture and Forestry University, Rampur, Chitwan, Nepal.
- Past Experiences:** Research Associate, South Asian Clinical Toxicology Research Collaboration, Faculty of Medicine, University of Peradeniya, Sri Lanka. Associate Investigator, The Centre for Research Excellence in Translational Venom and Antivenom Research, The University of Newcastle, Newcastle, NSW, Australia. Teaching Assistant, Dept. of Zoology, Birendra Multiple Campus, Tribhuvan University, Bharatpur, Chitwan, Nepal.
- Education:** PhD in Venomous Snakes of Medical Relevance in Nepal: Study on Species, Epidemiology of Snake Bite and Assessment of Risk Factors of Envenoming and Death from The Faculty of Biosciences, Johann Wolfgang Goethe University, Frankfurt am Main, Germany in 2015. MSc in Threatening Factors for Critically Endangered White-rumped and Slender-billed Vultures in Chitwan District, Nepal from Central Department of Zoology, Tribhuvan University, Nepal in 2003. BSc in Zoology from Birendra Multiple Campus, Tribhuvan University, Bharatpur, Chitwan, Nepal in 2000.
- Awards:** International Distinguished Researcher in Snake and Snakebite (2020) by RULA Awards. Nepal Vidhya Bhusan 'Ka' (2018) by President of Nepal. Grant Award (2016) by International Herpetological Symposium.
- Expertise:** Snake Ecology. Snakebite Epidemiology. Snake Venom. Snake Antivenom. Ethnozoology.
- Professional Affiliation:** International Society on Toxinology. Parasitological Research and Socio-Environmental Development, Nepal. Institute for Social and Environmental Research, Nepal.
- Correspondence:** **Mailing Address:** PO Box 67, Chitwan, Nepal. Postal/Pin Code: 44200. **Phone number/Cell:** 9845055137. **E-mail:** debpandey@gmail.com

**181. Deegendra Khadka (M; 1978; Morang, Nepal)**

**Category:** Molecular Biology and Chemistry.

**Current Affiliation:** Senior Scientific Officer, Nepal Academy of Science and Technology, Khumaltar, Lalitpur.

**Past Experiences:** Chemistry Lecturer, AVM College, Lalitpur, Nepal.  
Chemistry Lecturer, AIMS Academy, Lalitpur, Nepal.  
Biochemistry/Chemistry Visiting Faculty, Central Department of Chemistry, Tribhuvan University, Nepal.

**Education:** PhD in Molecular Biology and Chemistry-Antidiabetic and Antiobesity Drug Designing and Synthesizing from Inha University, Incheon, Republic of Korea in 2012. MSc in Organic Chemistry from Tribhuvan University, Nepal in 2005. BSc in Chemistry from Tribhuvan University, Nepal in 2001.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2013) by Government of Nepal.

**Expertise:** Expert in Antidiabetic and Antiobesity Drug Designing And Synthesizing. Sounds Skillful in Phosphatase Protein Expression and Purification, DNA Extraction, PCR and DNA Sequencing. Proficient on Drug Testing in Animal Experiments.

**Professional Affiliation:** Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal.

**Correspondence:** **Mailing Address:** Kusunti, Lalitpur, Nepal. **Phone number/Cell:** 9851172253. **E-mail:** deegendra.khadka@nast.gov.np, deegendrakhadka@gmail.com



**182. Deena Shrestha (F; 1981; Lalitpur, Nepal)**

**Category:** Immunology. Microbiology. Parasitology.

**Current Affiliation:** Chairperson, Senior Scientist, Center for Health and Disease Studies Nepal, Yanta Pau Marg, Sankhamul, Kathmandu.

**Past Experiences:** Research Officer, Kantipur Dental College Teaching Hospital and Research Center. Program Coordinator, Kantipur School of Dentistry.

**Education:** PhD in Immunobiology-Production and Expression of Inflammation and Angiogenic Parameters Triggered by Different Genetic Population of *Trypanosoma cruzi* from Federal University of Ouro Preto, Brazil in 2014. MSc in Medical Microbiology-Prevalence of Bacteremia and Septicemia in The Children Attending Kanti Children Hospital with Special Reference to Enteric Fever, from Tribhuvan University, Nepal in 2005. BSc in Microbiology from Tri-Chandra Multiple College, Nepal in 2002.

**Awards:** Walter Coli Award (2010) by Brazillian Society of Protozoology. Menção Honrosa Award (2013) by Brazilian Purine Clube Meeting. Zigman Brener Award (2013) by Brazilian Society of Protozoology.

**Expertise:** Methodologies for Enzyme Linked Immunosorbent Assay (ELISA). Immunohistochemistry. Real Time Quantitative PCR. Tissue Morphological Studies. Western Blot. Flow Cytometry. Good Working Experience With Animal Model (Mice). Routine and Special Laboratory Investigations of Microbiology (Cultural and Non-Cultural Techniques and Microscopy).

**Professional Affiliation:** Chairperson, Center for Health and Disease Studies Nepal. Visiting Faculty, St. Xaviers College.

**Correspondence:** **Mailing Address:** Kupondole, Lalitpur-1, Nepal. **Phone number/Cell:** 9808323445. **E-mail:** deenabajra@gmail.com



**183. Deep Narayan Shah (M; 1981; Saptari, Nepal)**



**Category:** Natural Science.

**Current Affiliation:** Assistant Professor, Central Department of Environmental Science, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Natural Resource Management Specialist, International Union for Conservation of Nature (IUCN)-Nepal. Environmental/Hydrobiology Expert, Norwegian Institute for Nature Research. Manager, Koshi Tappu Wildlife Reserve, Conservation and Sustainable Use of Wetlands in Nepal (CSUWN) Project/ Ministry of Forest and Soil Conservation.

**Education:** PhD in Natural Science-Spatial Patterns and Determinants of Stream Insect Diversity in The Northern Hemisphere from Johann Wolfgang Goethe-Universität Frankfurt am Main, Germany in 2015. MSc in Environmental Science-Ecological and Water Quality Status of Rivers and Irrigation Channels of Lower Gangetic Plains Moist Deciduous Forests (IM0120) of Nepal from Tribhuvan University, Nepal in 2006. BSc in Environmental Science from Tribhuvan University, Nepal in 2004.

**Awards:** Young Science and Technology Award (2018) by Nepal Academy of Science and Technology. Nepal Vidhya Bhusan 'Ka' (2016) by President of Nepal. Willkomm stipend (2013) by Johann Wolfgang Goethe-Universität Frankfurt am Main, Germany.

**Expertise:** Aquatic Biodiversity and Climate Change. Water Resource Management. Policy Development.

**Professional Affiliation:** Society for Freshwater Science, USA (South Asia Chapter). The International Biogeography Society, USA. Resources Himalaya Foundation (RHF), Nepal.

**Correspondence:** **Mailing Address:** Madhyapur Thimi-3, Sachet Marg Tole, House No. 79, Area-E **Phone number/Cell:** 01-6631943/9841398083. **E-mail:** aquatic.deep@gmail.com

**184. Deepa Dhital Dhakal (F; 1975; Lalitpur, Nepal)**

- Category:** Environmental Science. Ecosystem Ecology. Climate Change.
- Current Affiliation:** Senior Scientific Officer, Nepal Academy of Science and Technology (NAST), Khumaltar, Lalitpur, Nepal.
- Past Experiences:** Research Fellow, Nepal Academy of Science and Technology (NAST). Research Assistant, River Basin Research Center, Gifu University. Research Student, River Basin Research Center, Gifu University.
- Education:** PhD in Science of Biological Environment-Carbon Dynamics and Budget in a *Zoysia japonica* Grassland from Gifu University, The United Graduate School of Agricultural Science, Japan in 2010. MSc in Botany from Tribhuvan University, Central Department of Botany, Nepal in 2001. BSc in Biology (Botany, Zoology, Chemistry) from Tri-Chandra Multiple College, Tribhuvan University, Nepal in 1998.
- Awards:** Nepal Vidhya Bhusan 'Ka' (2011) by Ministry of Education, Science and Technology, Government of Nepal, Center for International Cooperation and Development (CICOPS) Award (2012) by University of Pavia, Italy. Rotary Yoneyama Memorial Foundation Award (2009) by Rotary Yoneyama Memorial Foundation, Tokyo, Japan.
- Expertise:** Environment. Ecosystem Ecology. Ecosystems. Plant Ecology. Soil. Climate Change. Plant Conservation.
- Professional Affiliation:** Molecular Biotechnology Unit, Faculty of Science, Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal.
- Correspondence:** **Mailing Address:** 110/12, Nirmal Lama Marg, Nayabazar, Kathmandu, Nepal. **Phone number/Cell:** +977-1-5547715/9849752372. **E-mail:** dhital.deepa@gmail.com



**185. Deepa Shree Rawal (F; 1970; Lalitpur, Nepal)**

**Category:** Ecosystem. Climate Change Science.

**Current Affiliation:** Senior Scientific Officer, Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal.

**Education:** PhD in Plant Species Response to Climate Change from The University of Melbourne, Australia in 2014. MSc in Environmental Management from Victoria University, Australia in 2003. BSc in Biology from Tri-Chandra College, Nepal in 1993.

**Awards:** Australian Leadership Award Scholarship (ALAS) (2010) by Australian Government. Aus AID Scholarship Award (ADS) (2002) by Australian Government. Post Graduate Publishing Award (2013) by The University of Melbourne.

**Expertise:** Environment. Ecosystem Management. Climate Change Adaptation.

**Professional Affiliation:** Nepal Academy of Science and Technology, Lalitpur, Nepal. Australia Awards Alumni, Kathmandu, Nepal. Association of Nepalese Alumni from Australia (ANAA), Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** +97715547715. **E-mail:** deepa.rawal@nast.gov.np



**186. Deepak Bikram Thapa Chhetri (M; 1986; Bhaktapur, Nepal)**

**Category:** Civil Engineering. Environmental Sciences. Disaster.

**Current Affiliation:** Head of Civil Department, Associate Professor, Kantipur City College, Putalisadak, Kathmandu.

**Past Experiences:** Visiting Lecturer, International Crisis Management, Samarpan Academy. President, Alpha Megha Group of Companies. Visiting Lecturer, Khwopa Engineering College.

**Education:** PhD in Study of The Local Climate Using Geostationary Satellite Solar Radiation and Ground-Based Measurements from Ehime University, Japan in 2017. ME in Analysis of Downward Shortwave Radiation from Geostationary Satellite in The Matsuyama Plane- Impact of Land Use and The Geographical Landscape Variation on Clouds from Ehime University, Japan in 2014. BE in Structural Analysis on 5 Story Building from Nepal Engineering College, Pokhara University, Nepal in 2010.

**Awards:** Nepal Vidhya Bhusan (2019) by President of Nepal. Award (2006) by Chief of Army Staff.

**Expertise:** Atmospheric and Water Environment. Disaster Management. Sustainable Development.

**Professional Affiliation:** Kantipur City College, Putalisadak, Kathmandu. Alpha Megha Group of Companies, Bhaktapur. Waling Municipality, Sustainable Development.

**Correspondence:** **Mailing Address:** Pandubazzar, Suryabinayak-6, Bhaktapur. **Phone number/Cell:** 9841654803. **E-mail:** deepakthapa@kcc.edu.np



**187. Deepak Prasad Adhikary (M; 1955; Kathmandu, Nepal)**



**Category:** Engineering.

**Current Affiliation:** Senior Principal Research Scientist, Commonwealth Scientific and Industrial Research Organisation (CSIRO), 1 Technology Court, Pullenvale, Qld 4069, Australia.

**Past Experiences:** Senior Research Fellow, The University of Western Australia, Perth, WA, Australia. Research Fellow, The Asian Institute of Technology, Bangkok, Thailand.

**Education:** PhD in Geotechnical Engineering-Study of Flexural Toppling Failure from The University of Western Australia, Australia in 1995. ME in Geotechnical Engineering from The University of Alberta, Canada in 1991. BSc in Mining Engineering from Patrice Lumumba University, Russian Federation in 1980.

**Awards:** CSIRO Medal for Business Excellence Award 2008 (Joint winners) 2008 for The Contribution Made to Underground Coal Gasification Studies (2008) by CSIRO, Australia.

**Expertise:** Geotechnical Engineering.

**Professional Affiliation:** AusIMM, 204 Lygon St, Carlton VIC 3053 Australia. MSSANZ, Australia. NGS, DMG, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** 4 Greenview Close, Mitchelton, Qld 4053, Australia. **Phone number/Cell:** +61417889190. **E-mail:** deepak.adhikary55@gmail.com

**188. Deepak Prasad Subedi (M; 1971; Syangja, Nepal)**

**Category:** Physics.

**Current Affiliation:** Professor, Director of Research, Dev & Consultancy, RDC, Kathmandu University, Department of Physics, School of Science, Kathmandu University, Dhulikhel, Kavre.

**Past Experiences:** Associate Dean, School of Science, Kathmandu University. Director, Student Welfare, Kathmandu University. Head, Department of Natural Sciences, School of Science, Kathmandu University.

**Education:** PhD in Plasma Physics from Masaryk University, Czech Republic in 2002. MSc in Physics-Analytical Study of Ion-Acoustic Wave in Plasma and Its Influence on Laser Fusion from Central Department of Physics, Tribhuvan University, Nepal in 1996. BSc in Physics, Math, Stat from Tri-Chandra College, Tribhuvan University, Nepal in 1993.

**Awards:** Mahendra Vidhya Bhusan 'Ka' (2003) by Secretariat, Royal Palace. His Royal Highness Crown Prince Youth Science and Technology Award (2004) by Royal Nepal Academy of Science and Technology (RONAST). Education Award, 2062 (2006) by Ministry of Education and Culture.

**Expertise:** Plasma Diagnostics. Surface Modification. Thin Film Deposition.

**Professional Affiliation:** Department of Physics, School of Science, Kathmandu University, Dhulikhel, Kavre. Nepal Academy of Science and Technology.

**Correspondence:** **Mailing Address:** Department of Physics, School of Science, Kathmandu University, Dhulikhel, Kavre, Nepal. **Phone number/Cell:** 9841457202. **E-mail:** dsubedi@ku.edu.np



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**189. Deepak Pudasainee (M; 1977; Kathmandu, Nepal)**

**Category:** Environmental Science.

**Current Affiliation:** Research Associate, University of Alberta, University of Alberta, Edmonton, Canada.

**Past Experiences:** Post-Doctoral Fellow, Karlsruhe Institute of Technology-KIT, Germany. Research Processor, Yonsei University, South Korea.

**Education:** PhD in Emission Control from Yonsei University, South Korea in 2010. MSc in Air Pollution Control from Tribhuvan University, Nepal in 2004. BSc in Environmental Science from Tribhuvan University, Nepal in 2001.

**Awards:** Alexander von Humboldt (AvH) Fellowship for Post-Doctoral Research (2011) by Alexander von Humboldt Foundation, Germany. Research Professor Fellowship (2011) by Brain Korea-21, funded by the Korean Government. Young Scientist Award (2010) by Nepal Academy of Science and Technology (NAST).

**Expertise:** Emission Measurement, Transformation and Control Techniques. Development of Low-Cost Renewable Sorbents for Pollutant Control. Biomass to Bio-Energy.

**Professional Affiliation:** Editorial Board Member, International Journal of Oil, Gas and Coal Technology (IJOGCT).

**Correspondence:** **Mailing Address:** University of Alberta, University of Alberta, Edmonton, Canada. **Phone number/Cell:** 7808003246. **E-mail:** pudasain@ualberta.ca



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**190. Deepak Raj Bhat (M; 1981; Gorkha, Nepal)**

**Category:** Engineering.

**Current Affiliation:** JSPS Post-Doctoral Research Fellow, Gunma University, Gunma, Japan.

**Past Experiences:** Post-Doctoral Research Fellow, Gunma University, Japan. Lecturer, Kathmandu University, Nepal. Assistant Professor (Visiting), IOE, Tribhuvan University, Nepal.

**Education:** PhD in Civil Engineering (Major, Geotechnical Engineering) from Ehime University, Japan in 2014. ME in Civil Engineering (Major, Geotechnical Engineering) from Ehime University, Japan in 2011. BE in Civil Engineering from NEC, Pokhara University, Nepal in 2007.

**Awards:** The Science and Technology Youth Award (Young Scientist Award) (2015) by NAST, Nepal. Gold Medal-A (Nepal Vidhya Bhusan 'Ka') (2015) by President Office, Nepal. Best Paper and Presentation Award (2011) by Japan Society of Civil Engineers (JSCE), Japan.

**Expertise:** Civil Engineering. Geotechnical Engineering. Geo-Disaster Mitigation.

**Correspondence:** **Mailing Address:** Oshima 1-10-9-205, Koto-ku, Tokyo 136-0072, Japan. **Phone number/Cell:** +81(0)7040314305. **E-mail:** deepakrajbhat@gmail.com



### 191. Deepak Sharma (M; 1982; Palpa, Nepal)

**Category:** Biotechnology.

**Current Affiliation:** PhD Scholar, Kathmandu University, Department of Biotechnology, School of Science, Dhulikhel, Kavre.

**Past Experiences:** Assistant Research Fellow, NAST. Research Fellow, KOICA APPA I. Guest Faculty, Kathmandu University.

**Education:** PhD in Biotechnology from Kathmandu University, Nepal in 2020. MSc in Biotechnology from Rajasthan University, India in 2010. BSc in Biotechnology from RDVV, Jabalpur, India in 2004.

**Awards:** Silver Jubilee Scholarship Award (2008) by Government of India, Best Poster Award (2017) by World Science Congress, Kolkotta.

**Expertise:** Phytochemistry. Bioinformatics. Molecular Genomics.

**Professional Affiliation:** Kathmandu University, Dhulikhel, Kavre.

**Correspondence:** **Mailing Address:** Department of Biotechnology, School of Science, Kathmandu University. **Phone number/Cell:** 9851249996/9849657056. **E-mail:** deepakshrm59@gmail.com



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### 192. Deependra Das Mulmi (M; 1968; Lalitpur, Nepal)

**Category:** Materials Science.

**Current Affiliation:** Senior Scientific Officer, Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal.

**Past Experiences:** Quality Assurance Engineer, Yokohama Electron Private Ltd, Japan. Research Associate, Yokohama National University, Graduate School of Engineering. Lecturer, Sanathimi Campus, Faculty of Education, Tribhuvan University.

**Education:** PhD in Physics-Electronic states of the defect-controlled anatase TiO<sub>2</sub> single crystals from Yokohama National University, Japan in 2004. MSc in Physics-The calculation of ground state energy of the Lithium atom by using single Centre expansion method with Gaussian shell orbital from Tribhuvan University, Nepal in 1992. BSc in Physics, Chemistry and Mathematics from Tribhuvan University, Nepal in 1990.

**Awards:** MeteoMet Award (2014) by MMC 2014, Brdo, Slovenia. Nepal Vidhya Bhusan 'Ka' Medal Award (First Class) (2011) by The Government of Nepal. Jin-nai International Student Scholarship for PhD study (2001) by Jin-nai Scholarship Foundation, Japan.

**Expertise:** Nanomaterials Growth by Non-vacuum Method and their Characterization for Photo-Catalytic, Antibacterial and Sensing Applications. Developing Methods to Grow High Quality Single Crystals and their Characterization. *Ab initio* Quantum Mechanical Calculation using FORTRAN and MATLAB.

**Professional Affiliation:** Nepal Physical Society. Member, The Physical Society of Japan. Japanese University Alumni Association, CTBTO.

**Correspondence:** **Mailing Address:** Nepal Academy of Science and Technology, Faculty of Science, Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** 9843058819. **E-mail:** deependra.mulmi@nast.gov.np



**193. Deependra Parajuli (M; 1979; Syangja, Nepal)**

**Category:** Physics. Material Science.

**Current Affiliation:** Assistant Professor, Tri-Chandra Multiple Campus, Ghantaghar, Kathmandu, Nepal.

**Past Experiences:** Assistant Campus Chief, Tri-Chandra Multiple Campus, Ghantaghar, Kathmandu, Nepal. Science Coordinator, Arniko International College, Satdobado, Lalitpur, Nepal. Vice-President, Nepal Physical Society, Kathmandu, Nepal.

**Education:** PhD in Physics-M'M'Xene Oxide as Topological Insulator from Andhra University, India in 2020. MSc in High frequency Power absorption by Inverse Bremsstrahlung Process in Plasma from Tribhuvan University, Nepal in 2004. BSc in Physics, Statistics, Mathematics from Tribhuvan University, Nepal in 2002.

**Awards:** Education Award (2072) by Ministry of Education, Nepal. Science and Technology Award (2076) by Nepal Academy of Science and Technology (NAST).

**Expertise:** Computer Technology. Science Olympiad. TBLMTO-ASA, MATLAB, ORIGIN, FORTRAN 90, WEIN2K, VASP. Sports Expert (Martial Art).

**Professional Affiliation:** Nepal Physical Society, Kathmandu, Nepal. Association of Science Societies of Nepal, Kathmandu. Scientific Exhibition for National Development (SEND), Nepal.

**Correspondence:** **Mailing Address:** Tri-Chandra Multiple Campus, Ghantaghar, Kathmandu, Nepal. **Phone number/Cell:** 9851135436. **E-mail:** deepenparaj@gmail.com



**194. Deo Narayan Sah (M; 1961; Dhanusa, Nepal)**

**Category:** Irrigation Engineering. Agricultural Engineering. Flood Control and Management.

**Current Affiliation:** Project Manager, Palungtar Kundutar Irrigation Project, Gorkha Municipality, Gorkha.

**Past Experiences:** Office Incharge, District Irrigation Office, Humla. Office Chief, District Irrigation Office, Sindhupalchowk. Division Chief, Water Induced Disaster Management Division No. 2, Biratnagar.

**Education:** PhD in Agricultural Engineering-IWME from MPUAT, CTAE, Udaipur, Rajasthan, India in 2009. ME in Irrigation Engineering and Management from Asian Institute of Technology, Bangkok, Thailand in 2000. BE in Civil Engineering from University of Roorkee, India in 1987.

**Awards:** Gorkha Dhaxin Bahu (1997) by King Birendra Bir Bikram Shah Dev. Badhi Sewa Padak (1998) by CDO of Sindhupalchowk. Nepal Vidhya Bhusan (2011) by Dr. Ram Baran Yadav, President of Nepal.

**Expertise:** Irrigation Engineering and Management. Flood Control and Management. Research and Development.

**Professional Affiliation:** Department of Water Resource and Irrigation, Jawalakhel, Lalitpur, Nepal. Hydrology and Meteorology Department, AIT, Bangkok, Thailand. Agricultural Research Farm, CTAE, Rajasthan, India.

**Correspondence:** **Mailing Address:** Sabaila-10, Dhanusha, Nepal. **Phone number/Cell:** +9779854024562. **E-mail:** deonsah@yahoo.com



**195. Dev Raj Joshi (M, 1973: Doti, Nepal)**

**Category:** Environmental Microbiology.

**Current Affiliation:** Associate Professor, Central Department of Microbiology, Tribhuvan University, Kathmandu, Nepal

**Past Experiences:** Assistant Professor (2008-2019), Central Department of Microbiology, Tribhuvan University, Kathmandu, Nepal. Microbiology Program Coordinator (2004-2008), National College/NIST, Kathmandu, Nepal. Lecturer of Microbiology (2002-2004), National College/NIST, Kathmandu, Nepal. Junior Research Assistant (2001-2002), Nepal Academy of Science and Technology, Lalitpur, Nepal.

**Education:** PhD in Environmental Microbiology-Functional and phylogenetic characterization of microbial community in coking wastewater treatment system from University of Chinese Academy of Sciences, China in 2017. MSc (Microbiology)-Role of exopolysaccharide of *Xanthomonas campestris* pv *campestris* in pathogenesis and its correlation study from Central Department of Microbiology, Tribhuvan University, Kirtipur, Nepal in 1998. BSc Microbiology, Zoology, Chemistry from Tri-Chandra M College, Tribhuvan University, Nepal in 1996.

**Awards:** Nepal Vidhya Bhusan 'Ka' by Government of Nepal (2017) and Mahendra Vidhya Bhusan 'Kha' by Government of Nepal (2001)

**Expertise:** Environmental Metagenomics. Microbial Ecology and Biodiversity. Water and Wastewater Microbiology.

**Professional Affiliations:** President, Microbial Ecology Network-Nepal. Ambassador to Nepal, International Society for Microbiology. General Secretary, Nepalese Society for Microbiology. Outreach Member, American Society for Microbiology.

**Correspondence:** **Mailing Address:** Central Department of Microbiology, Tribhuvan University, Kathmandu, Nepal. **Phone number/Cell:** 97714331869 /9779869363201. **E-mail:** dev.joshi@cdmi.tu.edu.np, joshi\_devraj@hotmail.com



**196. Deval Prasad Bhattarai (M; 1980; Gorkha, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Assistant Professor of Chemistry, Amrit Campus, Kathmandu.

**Past Experiences:** Assistant Campus Chief, Amrit Campus, Tribhuvan University, Kathmandu, Nepal, Assistant Professor of Chemistry, Amrit Campus, Tribhuvan University, Kathmandu, Nepal.

**Education:** PhD in Synthesis and Characterization of Conductive polymer-based Nanomaterials for Biomedical Applications from Chonbuk National University, Republic of Korea in 2019. MSc in Physical Chemistry from Central Department of Chemistry, Kirtipur, Kathmandu, Nepal, Nepal in 2004. BSc in Chemistry from Amrit Campus, Tribhuvan University, Kathmandu, Nepal in 2002.

**Awards:** Top 6th Position in the Exam of Advocate (2012) by Nepal Bar Council.

**Professional Affiliation:** Nepal Chemical Society. Amrit Campus, Tribhuvan University, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Department of Chemistry, Amrit Campus, Thamel, Kathmandu, Nepal. **Phone number/Cell:** +9779841485151. **E-mail:** devalprasadbhattarai@gmail.com



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**197. Devendra Adhikari (M; 1969; Morang, Nepal)**

**Category:** Physics.

**Current Affiliation:** Professor, Mahendra Morang Adarsh Multiple Campus, Biratnagar, Tribhuvan University, Biratnagar.

**Past Experiences:** Reader, Mahendra Morang Adarsh Multiple Campus, Biratnagar. Lecturer, Mahendra Morang Adarsh Multiple Campus, Biratnagar.

**Education:** PhD in Regular Associated Solution Model for the Properties of Binary Liquid Alloys from TM Bhagalpur University, Bhagalpur, India in 2012. MSc in Advanced Solid State Physics from Tribhuvan University, Nepal in 1993. BSc in Physics, Mathematics, Statistics from Tribhuvan University, Nepal in 1991.

**Awards:** Nepal Vidhya Bhusan 'Ka' (1915) by Government of Nepal.

**Expertise:** Solid State Physics. Condensed Matter Physics. Liquid Metals and Alloys.

**Professional Affiliation:** Department of Physics, Mahendra Morang Adarsh Multiple Campus, Biratnagar.

**Correspondence:** **Mailing Address:** Department of Physics, Mahendra Morang Adarsh Multiple Campus, Biratnagar, Nepal. **Phone number/Cell:** 9842028969. **E-mail:** deven.bmhs@gmail.com



**198. Devendra Mananda Bajracharya (M; 1954; Kathmandu, Nepal)**

**Category:** Botany.

**Current Affiliation:** Professor, Department of Botany, Amrit Campus, Lainchour, Kathmandu.

**Past Experiences:** Associate Professor, Department of Botany, Amrit Campus. Lecturer, Department of Botany, Amrit Campus. Assistant Lecturer, Department of Botany, Amrit Campus.

**Education:** PhD in The Genus *Eria* Lindley (Orchidaceae) in the Himalaya-A Taxonomic Revision from Tribhuvan University, Nepal in 2005. MSc in Botany from Tribhuvan University, Nepal in 1983. BSc in Botany from Tribhuvan University, Nepal in 1979.

**Awards:** Darwin Scholar (1999) by Darwin Initiative, London.

**Expertise:** Orchid Flora. Plant Systematics.

**Professional Affiliation:** Heritage and Environment of Nepal, Kathmandu.

**Correspondence:** **Mailing Address:** Teade Tole, Kathmandu, Nepal. **Phone number/Cell:** 4351413/9841417578, **E-mail:** dmbajracharya@gmail.com



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**199. Devi Bahadur Basnet (M; 1973; Morang, Nepal)**

**Category:** Protein Therapeutics. Process Development. Molecular Biology.

**Current Affiliation:** Senior Research Scientist, Medytox, Inc, 114, Central town-or, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16506.

**Past Experiences:** Post-Doctoral Researcher, Ewha Woman's University, Seoul, Korea. Lecturer, Little Angel's College/United Academy/Sagarmatha College.

**Education:** PhD in Biochemistry/Molecular Biology-Genome Analysis of *Streptomyces peucetius* ATCC27952-Analysis of Secondary Metabolites and Functional Characterization of the Angucyclinone Gene Cluster from Sun Moon University, Republic of Korea in 2005. MSc in Organic Chemistry-Isolation of Chemical Constituents from *Taxus baccata* from Tribhuvan University, Nepal in 1999. BSc in Biological Science from Mahendra Morang Multiple Campus, Biratnagar, Nepal in 1996.

**Expertise:** Antibody Therapeutic Development. Protein Process Development. Bioinformatics. Gene Analysis. Molecular Biology. Genetic Engineering.

**Professional Affiliation:** Medytox, Inc. Research Institute of Bioscience and Biotechnology (RIBB). Nepal Science Foundation.

**Correspondence:** **Mailing Address:** 114, Central Town-or, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16506. **Phone number/Cell:** +82 102343 4725. **E-mail:** basnetdevi@gmail.com.



**200. Devraj Chalise (M; 1986; Nawalparasi, Nepal)**

**Category:** Agriculture.

**Current Affiliation:** PhD Fellow, University of New England, Armidale, Australia.

**Past Experiences:** Scientist, Nepal Agricultural Research Council, Adjunct Assistant Professor, Purbanchal University, Assistant Professor, Tribhuvan University.

**Education:** PhD in Soil Science-Modelling soil erosion in the Nepal Himalayas using models, GIS and remote sensing from University of New England, Australia in 2019. MSc in Soil Science-Characterization and Sustainability Assessment of Soils using Geographical Information System in western Chitwan, Nepal from Tribhuvan University, Nepal in 2011. BSc in Agriculture from Tribhuvan University, Nepal in 2009.

**Awards:** Keith and Dorothy Mackay Postgraduate Travelling Scholarship (2018) by University of New England, Australia. International Postgraduate Research Award (2017) by University of New England. Netherlands Fellowship Programme (2015) by Netherlands Government.

**Expertise:** Soil Erosion. Sustainable Agriculture. GIS.

**Professional Affiliation:** European Geosciences Union. Soil Science Australia. International Union of Soil Sciences.

**Correspondence:** **Mailing Address:** Armidale, NSW Australia. **Phone number/Cell:** +61 410828239. **E-mail:** chalisedevraj@gmail.com



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**201. Dhaka Ram Bhandari (M; 1981; Kaski, Nepal)**

**Category:** Analytical Chemistry. Pharmaceutical Sciences.

**Current Affiliation:** Research Fellow, Justus Liebig University Giessen, Heinrich buff ring-17.

**Past Experiences:** Teaching Associate, Pokhara University.

**Education:** PhD in Analytical Chemistry from JLU Giessen, Germany in 2015. MSc in Spectroscopy, Erasmus from University of Leipzig, Germany in 2010. BPharm from Pokhara University, Nepal in 2006.

**Awards:** Best PhD Thesis in the field of Mass Spectrometry (2016) by DGMS. Nominated for Lindau Noble meeting (2015) by Lindau Noble. Erasmus Mundus Scholarship for Masters Degree (2008).

**Expertise:** Chemical Analysis with LC-MS.

**Correspondence:** **Mailing Address:** Heinrich buff ring-17. **Phone number/Cell:** 9819116838. **E-mail:** dhakarambhandari@gmail.com



**202. Dharm Raj Bhatta (M; 1982; Kanchanpur, Nepal)**

**Category:** Microbiology.

**Current Affiliation:** Associate Professor, Manipal College of Medical Sciences, Phulbari-11, Pokhara, Nepal.

**Past Experiences:** Laboratory Technologist, Manipal Teaching Hospital, Pokhara, Nepal. Lecturer, Department of Microbiology, Manipal College of Medical Sciences, Pokhara, Nepal, Assistant Professor, Department of Microbiology, Manipal College of Medical Sciences, Pokhara, Nepal.

**Education:** PhD in Microbiology-Phenotyping and molecular characterization of MRSA isolates from Tribhuvan University, Kathmandu, Nepal in 2017. MSc in Medical Microbiology from Sikkim Manipal University, India in 2009. BSc in Microbiology, Biochemistry, Pathology from Chaudhary Charan Singh University/ SBS PG Institute of Biomedical Sciences and Research, Deharadoon, India in 2003.

**Awards:** Gold Medal (2009) by Sikkim Manipal University. PhD Fellowship Award (2012) by University Grants Commission, Nepal. Nepal Vidhya Bhusan 'Ka' (2011) and 'Kha' (2019) by President of Nepal, Ministry of Education.

**Expertise:** Teaching Medical Students (MBBS) and Nursing Students (10 years of Experience). Microbiology. Bacteriology. Mycology. Parasitology.

**Professional Affiliation:** Associate Professor and Microbiologist, Manipal College of Medical Sciences and Manipal Teaching Hospital, Pokhara, Nepal. Guest Faculty, Pokhara University, Nepal.

**Correspondence:** **Mailing Address:** Department of Microbiology, Manipal Teaching Hospital, Phulbari-11, Pokhara, Nepal. **Phone number/Cell:** 9806669798. **E-mail:** ddharma2039@gmail.com



### 203. Dharma Prasad Khanal (M; 1957; Ilam, Nepal)

- Category:** Pharmaceutical Sciences.
- Current Affiliation:** Professor/HOD, Manmohan Memorial Institute of Health Sciences, Tribhuvan University, Soalteemode, Kathmandu, Nepal.
- Past Experiences:** General Manager, Lomus Pharmaceuticals Pvt Ltd.
- Education:** PhD in Medicinal Chemistry from Jahangirnagar University, Savar, Dhaka, Bangladesh, Bangladesh in 2000. Msc in Medicinal Chemistry from Kharkov National Pharmacy Institute, Pharmaceutical Academy, Ukraine, Ukraine in 1988. IPHarm in Pharmacy from Institute of Medicine, TU, Nepal in 1979.
- Awards:** MSc scholarship for 6 years (1982) by MOE, Government of Nepal. PhD Scholarship (1997) by Bangladesh Government. Nepal Education Leadership Award, Best Professor in Pharmacy (2017) by CMO Asia, Mumbai.
- Expertise:** New Drug Development. Drug Formulation and Quality Control. Natural Compounds Isolation, Identification and Formulation.
- Professional Affiliation:** HOD Manmohan Memorial Institute of Health Sciences. Consultant, Lomus Pharmaceuticals Pvt Ltd. Resources Person To Several Government Agencies Like Nepal Pharmacy Council and Others.
- Correspondence:** **Mailing Address:** Soalteemode, Kathmandu, Hajurkodhara, Harhar Mahadev, Kathmandu, Nepal. **Phone number/Cell:** 9851077038. **E-mail:** drdpk@mimihs.edu.np



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### 204. Dhiraj Kumar Chaudhary (M; 1986; Morang, Nepal)

- Category:** Microbiology.
- Current Affiliation:** Post-Doctoral Researcher, Kyonggi University, 154-42 Gwanggyosan-Ro, Youngtong-Gu, Suwon, South Korea.
- Past Experiences:** Doctroal Researcher, Kyonggi University, South Korea. Lecturer, Prithu Technical College, Tribhuvan University, Nepal.
- Education:** PhD in Microbiology-Bioremediation of hazardous organic compound form soil using microbial resources from Kyonggi University, Republic of Korea in 2019. MSc in Microbiology from Tribhuvan University, Nepal in 2012. BSc in Microbiology from Tribhuvan University, Nepal in 2008.
- Expertise:** Bioremediation. Environmental Engineering. Waste Management. Microbial Ecology. Environmental Microbiology. Soil Microbiology. Agriculture Microbiology. Prokaryotic Taxonomy. Novel Bacterial Species. Unculturable Bacteria. Bacterial Cultivation Techniques. Psychrophilic Bacteria.
- Professional Affiliation:** Kyonggi University, South Korea.
- Correspondence:** **Mailing Address:** 154-42 Gwanggyosan-Ro, Youngtong-Gu, Suwon, South Korea. **Phone number/Cell:** +821021743634. **E-mail:** dhirajchaudhary2042@gmail.com



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**205. Dhruba Bijaya G.C. (M; 1984; Baglung, Nepal)**

**Category:** Forestry.

**Current Affiliation:** Assistant Professor, Tribhuvan University, Institute of Forestry, Pokhara, Nepal.

**Education:** PhD in Natural Resource Sciences from University of Chinese Academy of Sciences, Nepal in 2016. MSc in Agriculture-Rural Development from China Agricultural University, China in 2011. BSc in Forestry from Institute of Forestry, Tribhuvan University, Pokhara, Nepal in 2008.

**Awards:** Chinese Government Scholarship (2009-2011) by Chinese Government. UCAS Scholarship for PhD (2011-2016) by UCAS/IGSNRR-CAS. Vidhya Bhusan Medal 'Ka' (2074) by Government of Nepal.

**Correspondence:** **Mailing Address:** Tribhuvan University, Institute of Forestry, Pokhara. **Phone number/Cell:** 061430571. **E-mail:** dbgchhetri@iofpc.edu.np.



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**206. Dhundi Raj Pathak (M; 1977; Dhading, Nepal)**

**Category:** Engineering. Infrastructure Planning. Geotechnical Engineering. Geo-Environmental Engineering.

**Current Affiliation:** Director, Engineering Study & Research Centre, Dharapati Uttar Marga, Balkot.

**Past Experiences:** Team Leader/Waste Management Expert, Swisscontact. Solid Waste Management Expert, GIZ. Visiting Faculty (SWM and Landfill Engineering, GIS), Tribhuvan University.

**Education:** PhD in Geo-environmental Engineering from Ehime University, Graduate School of Science and Engineering, Japan in 2014. MSc in Geotechnical Engineering from Tribhuvan University, IOE Pulchowk Campus, Nepal in 2005. BE in Civil Engineering from Tribhuvan University, IOE Pulchowk Campus, Nepal in 2001.

**Awards:** Nepal Vidhya Bhusan (2018) by President of Nepal. Nepal Vidhya Bhusan (2011) by President of Nepal. Monbukagakusho: MEXT (2006) by Government of Japan, Ministry of Education, Culture, Sports, Science and Technology.

**Expertise:** Geotechnical & Geo-Environmental Engineering. Solid Waste Management. Landfill Engineering. Infrastructure Planning and GIS.

**Professional Affiliation:** Engineering Study & Research Centre, Nepal. Visiting Faculty, Tribhuvan University, Nepal, Independent Solid Waste Management Specialist (ADB, GIZ, KFW, Swisscontact, different Municipalities of Nepal).

**Correspondence:** **Mailing Address:** Dharapati Uttar Marga, Balkot, Nepal. **Phone number/Cell:** 9841298743. **E-mail:** drpathak@esarcnepal.com



### 207. Dibakar Raj Pant (M; 1969; Kathmandu, Nepal)

**Category:** Engineering.

**Current Affiliation:** Associate Professor, Institute of Engineering, Pulchowk, Nepal.

**Past Experiences:** Head of Department, Institute of Engineering, Nepal. Post-Doc Researcher, Poitiers University, France and NTNU, Norway.

**Education:** PhD in Machine Learning-Image Processing from Jean Monnet University, France in 2012. MSc in Information Technology/Computer Engineering from Eastern University of Finland, Finland in 2006. BSc in Electrical and Electronic Engineering from Rajshai University of Technology, Bangladesh in 1994.

**Awards:** Nepal Vidhya Bhusan Padak (2013) by President of Nepal.

**Expertise:** Machine Learning. Image Processing. Computer System.

**Professional Affiliation:** Member, Nepal Engineering Council. Member, Nepal Engineering Association.

**Correspondence:** **Mailing Address:** Institute of Engineering, Pulchowk, Nepal. **Phone number/Cell:** +9779841500525. **E-mail:** pdibakar@gmail.com



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### 208. Dibas Shrestha (M; 1978; Gorkha, Nepal)

**Category:** Hydrology. Meteorology.

**Current Affiliation:** Assistant Professor, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Senior Scientific Officer, Nepal Academy of Science and Technology.

**Education:** PhD in Study of the Precipitation Characteristics Around Mountainous Regions in South Asia and South America from Nagoya University, Japan in 2013. MSc in Computation of Flow Hydrograph of the Highest Rainfall Data by using HEC-HMS model in Jhikhu Khola watershed, Nepal from Tribhuvan University, Nepal in 2005. BSc in Hydrology and Meteorology from Tribhuvan University, Nepal in 2002.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2013) by Ministry of Education, Nepal.

**Expertise:** High-altitude Meteorology. Glaciology. Satellite Rainfall Estimation.

**Professional Affiliation:** Tribhuvan University.

**Correspondence:** **Mailing Address:** Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 9841420676. **E-mail:** st.dibas@yahoo.com



**209. Dil Bahadur Gurung (M; 1969; Lamjung, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Professor, Department of Mathematics, School of Science, Kathmandu University.

**Past Experiences:** Visiting Faculty, Amrit Science College, TU (1999-2000), Visiting Faculty, School of Education, KU.

**Education:** PhD in Mathematics-Mathematical study of abnormal thermoregulation in human dermal parts from Kathmandu University, Nepal in 2008. MSc in Mathematics from Tribhuvan University, Nepal in 1996. BSc in Physics, Chemistry, Mathematics from Ranchi University, India in 1990.

**Awards:** The world Academic of Sciences (TWAS) (2008) by NAST. Education Award (2012) by Government of Nepal. Nepal Vidhya Bhusan (2014) by Government of Nepal.

**Expertise:** Bio-mathematics. Computational Mathematics. Numeric in ODE and PDE.

**Professional Affiliation:** Nepal Mathematical Society. Gwaliror Academic of Mathematical Society, Gwalior India. Ramanujan Mathematical Society, India.

**Correspondence:** **Mailing Address:** Department of Mathematics, School of Science, Kathmandu University, Dhulikhel. **Phone number/Cell:** 9841247825. **E-mail:** db\_gurung@ku.edu.np



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**210. Dil Kumar Limbu (M; 1966; Terhathum, Nepal)**

**Category:** Botany.

**Current Affiliation:** Assistant Campus Chief, Central Campus of Technology, Tribhuvan University, Dharan, Nepal.

**Past Experiences:** Head of Department, Biology Department, Central Campus of Technology, Tribhuvan University.

**Education:** PhD in Carbon sequestration of high-altitude Himalayan range land in Tinjure Milke Jaljale (TMJ) area, Eastern Nepal from Tribhuvan University, Nepal in 2015. MSc in Botany from Tribhuvan University, Nepal in 1994. BSc in Biology from Tribhuvan University, Nepal in 1991.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2017) by President of Nepal.

**Expertise:** High Mountain Rangeland. Carbon Sequestration.

**Professional Affiliation:** Central Campus of Technology, Dharan, TU.

**Correspondence:** **Mailing Address:** Dharan-19, Sunsari, Nepal. **Phone number/Cell:** +9779852056782. **E-mail:** dilklumbu@gmail.com



### 211. Dil Prasad Sherchan (M; 1951; Mustang, Nepal)

**Category:** Agriculture.

**Current Affiliation:** Principal Scientist, NARC, Khumaltar-15, Satdobato, Lalitpur.

**Past Experiences:** Senior Scientist, PAC, Dhankuta. Chief Soil Scientist, NARI, NARC. Hub Manager, ARTC, IRRI & CIMMYT.

**Education:** PhD in *Tithonia diversifolia* in Phosphorous Recycling in Intensive Farming System from University of Wales, United Kingdom in 2001. MSc in Land Resources Assessment in Himanchal Pradesh in India & Soil Science and Water Management from HPKV, India in 1979. BSc in Agriculture from Udayapur University, India in 1972.

**Awards:** Mahendra Vidhya Bhusan (2002) by His Majesty King Gyanendra Bir Bikram Shah Dev. Letter of Appreciation (2002) by Thakali Sewa Samiti, Kathmandu. Service Above Self (2006) by Dr. Shreeram Neupane.

**Expertise:** Soil Erosion. Conservation. Land Resource Assessment. Integrated Nutrient Management.

**Professional Affiliation:** Life Member, Society of Soil Science, Nepal. Life Member, Nepal Agriculture Association. Life Member, Society of Agriculture Scientist.

**Correspondence:** **Mailing Address:** Khumaltar-15, Satdobato, Lalitpur, Nepal. **Phone number/Cell:** 5275007/9860147193. **E-mail:** sherchan.dil@gmail.com



### 212. Dilip Kumar Jha (M; 1956; Saptari, Nepal)

**Category:** Zoology. Aquaculture. Aquatic Resources Management.

**Current Affiliation:** Professor, Department of Aquatic Resources, Faculty of Animal Science, Veterinary Science and Fisheries, Agriculture and Forestry University, Rampur, Chitwan, Nepal.

**Education:** PhD in Aquaculture and Aquatic Resources Management from Asian Institute of Technology, Thailand in 2015. MSc in Zoology, Fish and Fisheries from Tribhuvan University, Nepal in 1983. BSc in Zoology, Botany and Chemistry from LN Mithila University, India in 1977.

**Awards:** Best Teacher Award (2005) by Tribhuvan University, Kirtipur, Kathmandu, Nepal. Lifetime Achievement Award (2019) by Global Environment and Social Association during International Conference on Environment and Society -2019 at Harcourt Butler Technical University, Kanpur, India. Scientist of the Year-2019 Award (2020) by International Foundation for Environment and Ecology during International Conference on Environment and Ecology-2020 at University of Allahabad, Prayagraj, India.

**Expertise:** Fish Diversity. Aquatic Animal Health Management. Nutrition and Food Security.

**Professional Affiliation:** Agriculture and Forestry University, Rampur, Chitwan, Nepal. Tribhuvan University, Kirtipur, Kathmandu. Nepal Fisheries Society, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Agriculture and Forestry University, Rampur, Chitwan, Nepal. **Phone number/Cell:** +9779845155154/+9779804273475 WhatsApp +9779845155154. **E-mail:** dkjha.ait@gmail.com, dkjha@afu.edu.np



**213. Dilip Subba (M; 1956; Sunsari, Nepal)**

**Category:** Food Technology.

**Current Affiliation:** Academic Director, National College of Food Science and Technology, Khusibu, Kathmandu, Nepal.

**Past Experiences:** Professor, Tribhuvan University. Member Secretary, Nepal Academy of Science and Technology. Assistant Dean & Campus Chief, Central Campus of Technology, TU.

**Education:** PhD in Food Technology-Processing of Meat Byproducts for Human Nutrition from Hohenheim University, Germany in 1995. MSc in Food Technology-Effect of different tenderization treatment on meat texture from University of Mysore, Central Food Technological Research Institute, India in 1986. BTech in Food Technology from Marathwada Agricultural University, India in 1979.

**Awards:** Excellent Service Award (2004) by Tribhuvan University. Mahendra Vidhya Bhusan (1997) by Government of Nepal.

**Expertise:** Food Technology. Higher Education Teaching. Research. Management. Meat Slaughtering, Processing, Analysis. Plant Management. Food Product Development.

**Professional Affiliation:** Nepal Food Scientists and Technologists Association. Nepal German Academic Association. Nepal Academy of Science and Technology.

**Correspondence:** **Mailing Address:** Jaldhara Marga 35, Samakhushi Ranibari, Kathmandu-3, Nepal. **Phone number/Cell:** +9779841551518. **E-mail:** dilipsubba2009@yahoo.com



**214. Dilli Ram Bhandari (M; 1964; Chitwan, Nepal)**

- Category:** Veterinary Science. Stem Cell Biology.
- Current Affiliation:** Chairperson, National Applied Institute of Science and Technology, Bharatpur-7, Chitwan.
- Past Experiences:** Senior Researcher, Kang Stem Biotech, Seoul National University, Seoul, Korea. Assistant Professor, Rampur Campus, Tribhuvan University, Chitwan Nepal.
- Education:** PhD in Molecular Mechanism of c-MYC and REX1 for proliferation and Differentiation in Adult Stem Cells from College of Veterinary Medicine, Seoul National University, Seoul, Republic of Korea in 2011. MSc in Toxicological Effect of Diffusion Flame Derived Particulate Matters doped with Arsenic Particulate Matters from College of Veterinary Medicine, Seoul National University, Seoul, Republic of Korea in 2007. Bachelor in Veterinary Science and Animal Husbandry (BVSc &AH) in Medicine, Surgery, Theriogenology from Rampur Campus, Tribhuvan University, Nepal in 1996.
- Awards:** BK21 (2004 to 2011) by Korean Government.
- Expertise:** Molecular Disease Diagnosis. Mammalian Cell Culture. *In vivo* Study. Cancer Cells. Stem Cells. Stem Cell Culture. Pancreatic Beta Cell. Neural Stem Cell. Molecular Biological Tools Operation. Toxicological Study of Different Drugs and Biological Compound.
- Professional Affiliation:** Kang Stem BioTech, Seoul National University (SNU), Seoul, Korea. Rampur Campus, Tribhuvan University, Nepal. Agriculture and Forestry University, Rampur, Chitwan, Nepal.
- Correspondence:** **Mailing Address:** Bharatpur-7, Krishnapur, Cancer Hospital Gate No. 2, Chitwan, Nepal. **Phone number/Cell:** 056531465/9851224055. **E-mail:** bhandaridilli@gmail.com



### 215. Dilli Ram Thapa (M; 1980; Lamjung, Nepal)

**Category:** Earthquake Engineering. Engineering Seismology.  
**Current Affiliation:** Teaching Assistant, Birendra Multiple Campus, Chitwan, Tribhuvan University, Nepal.  
**Past Experiences:** Teaching Assistant, Birendra Multiple Campus, Tribhuvan University, Chitwan, Nepal. Post-Doctoral Fellow, School of Civil Engineering, Harbin Institute of Technology.  
**Education:** PhD in Disaster Prevention and Reduction Engineering and Protective Engineering from Dalian University of Technology, China in 2014. MSc in Geology from Tribhuvan University, Nepal in 2003. BSc in Geology from Tribhuvan University, Nepal in 2001.  
**Awards:** Nepal Vidhya Bhusan 'Ka' (2014) by President of Nepal, Ministry of Education.  
**Expertise:** Engineering Seismology. Earthquake Engineering.  
**Professional Affiliation:** Birendra Multiple Campus, Tribhuvan University, Chitwan, Nepal. Central Department of Geology, Tribhuvan University, Kirtipur, Kathmandu, Nepal.  
**Correspondence:** **Mailing Address:** Birendra Multiple Campus, Tribhuvan University, Chitwan, Nepal. **Phone number/Cell:** +9779861925572. **E-mail:** dilliramthapa14@hotmail.com



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### 216. Dinesh Kumar Sharma (M; 1956; Kathmandu, Nepal)

**Category:** Engineering.  
**Past Experiences:** Professor, Pulchowk Campus, Tribhuvan University. Chairperson, Nepal Telecommunications Authority. Technical Services Specialist, Renewable Energy Project, Government of Nepal.  
**Education:** PhD in Telecommunications from Moscow Electrotechnical Institute of Communications, Russian Federation in 1985. MSc in Radio Broadcasting and Radio Communications from Moscow Electrotechnical Institute of Communications, Russian Federation in 1980.  
**Awards:** Mahendra Vidhya Bhusan Class A (1985) by Government of Nepal.  
**Expertise:** Information and Communications. Telecommunications Regulation. Renewable Energy. Solar Photovoltaics.  
**Professional Affiliation:** Kathmandu Engineering College, Kalimati, Kathmandu. ADAPT Nepal, Chakupat, Lalitpur. Centre for Renewable Energy, Nepal.  
**Correspondence:** **Mailing Address:** Bhanimandal, Lalitpur-4, Lalitpur, Nepal. **Phone number/Cell:** 015547208/9851040503. **E-mail:** dksharma100@gmail.com



### 217. Dinesh Pathak (M; 1964; Chitwan, Nepal)

**Category:** Geology.

**Current Affiliation:** Associate Professor, Tribhuvan University, Kirtipur, Kathmandu.

**Past Experiences:** Associate Professor, Department of Geology, Tri-Chandra Campus, TU.

**Education:** PhD in Geology/Hydrogeology from Osaka City University, Japan in 2002. MSc in Geology/Hydrogeology from Tribhuvan University, Nepal in 1989. BSc in Physics, Mathematics, Geology from Tribhuvan University, Nepal in 1987.

**Awards:** Mahendra Vidhya Bhusan (2004) by Head of the State-Nepal.

**Expertise:** Geology. Hydrogeology. Natural Disaster. Climate Change.

**Professional Affiliation:** Central Department of Geology, Tribhuvan University, Kirtipur, Kathmandu.

**Correspondence:** **Mailing Address:** Central Department of Geology, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 9841476041, **E-mail:** dpathaktu@gmail.com



### 218. Dinesh Raj Bhujju (M; 1957; Bhaktapur, Nepal)

**Category:** Ecology and Environmental Science.

**Current Affiliation:** Academician, Nepal Academy of Science and Technology Khumaltar, Lalitpur, Nepal.

**Past Experiences:** Faculty Chief, Nepal Academy of Science and Technology. Principal, Khwopa College, Bhaktapur. Technical Adviser, Central Department of Environmental Science, Tribhuvan University.

**Education:** PhD in Ecology from Chiba University, Japan in 1998. MSc in Botany from Tribhuvan University, Nepal in 1982. BSc in Botany, Zoology, Chemistry from Amrit Science Campus, Nepal in 1978.

**Awards:** Rashtriya Pratibha (2000) by Government of Nepal. Monbusho Scholarship (1993) by Government of Japan. Shrestha Siarapa (1982) by Nepal Bhasha Parishad.

**Expertise:** Forest Ecology. Climate Change Adaptation. Technology Policy. Science Communication.

**Professional Affiliation:** Mid-Western University, Surkhet, Nepal. Tree Ring Society of Nepal, Kathmandu. Resources Himalaya Foundation, Lalitpur.

**Correspondence:** **Mailing Address:** Sunrise Towers, Dhobighat-Ringroad, Lalitpur, Nepal. **Phone number/Cell:** +97715188111/9841992216. **E-mail:** dineshbhujju@gmail.com



**219. Dinesh Raj Manandhar (M; 1964; Kathmandu, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Senior WASH Consultant and Independent Researcher, Free Lancer, 326, Jana Marg, Mhaipi, Kathmandu-16, Nepal.

**Past Experiences:** Project Manager, GSF Programme: UN Habitat Nepal. Visiting Faculty, Kathmandu University. Sanitary Engineer, Department of Water Supply and Sewerage, Government of Nepal.

**Education:** PhD in Quantitative Evaluation of Leachate Using Pilot Scale Landfill Lysimeter from Kathmandu University, Nepal in 2015. ME in Water Management of Landfills in Tropical Countries from Asian Institute of Technology, Bangkok, Thailand in 2000. BE in Civil Engineering from Regional Engineering College, Rourkela currently named National Institute of Technology Rourkela, India in 1988.

**Awards:** Nepal Vidhya Bhusan Padak (2016) by Government of Nepal.

**Expertise:** Solid Waste Management. Water Quality. Water Safety Plan. Procurement Management. Planning and Technical Assessment.

**Professional Affiliation:** Nepal Engineers' Association (NEA), Kathmandu, Nepal. Asian Institute of Technology Association Nepal Chapter (AITAAN), Kathmandu, Nepal. Society of Public Health Engineers Nepal (SOPHEN), Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** 326, Jana Marg, Mhaipi, Ward No 16, Kathmandu, Nepal. **Phone number/Cell:** +9779851051822. **E-mail:** dineshmanandhar@gmail.com



**220. Dinesh Simkhada (M; 1978; Rupandehi, Nepal)**

**Category:** Biochemistry. Molecular Biology. Biotechnology. Botany.

**Current Affiliation:** Principal Scientist, Advaxis, 305 College Rd E, Princeton, NJ, 08540.

**Past Experiences:** Research Scientist, Bioprocess Development Group, Pfizer. Post-Doctoral Researcher, Department of Chemistry, Texas A&M University.

**Education:** PhD in Biochemistry-Metabolic Engineering of microorganism to produce glycosylated natural products from Sun Moon University, Institute of Biomolecule Reconstruction, Sun Moon University, Republic of Korea in 2010. MSc in Botany-Wetland Ecology from Department of Botany, Tribhuvan University, Nepal in 2002. BSc in Biology (Botany) from Tribhuvan Multiple Campus, TU, Nepal in 2000.

**Awards:** Korean Government Research Award (KRF) (2006) by Korean Government. Graduate Research Assistant Grant (2009) by Sun Moon University. Research Fellow Award (2010) by Department of Chemistry, Texas A&M University.

**Expertise:** Metabolic Engineering of Microorganism. Using Synthetic and System Biology Approach. Protein Biochemistry. Enzymology. Immunology. Cancer Biology. Development of Microorganism-Based Vaccine.

**Professional Affiliation:** Biotechnology Society of Nepal.

**Correspondence:** **Mailing Address:** 16 Greenwood Rd, Yardley, PA, 19067. **Phone number/Cell:** 1-9794365982. **E-mail:** dinesh.simkhada@gmail.com



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**221. Dipak Sapkota (M; 1979; Nawalparasi, Nepal)**

**Category:** Dentistry. Oral Pathology. Cancer Research.

**Current Affiliation:** Professor, University of Oslo, Oslo, Norway.

**Past Experiences:** Post-Doctor, University of Bergen, Norway. PhD, University of Bergen, Norway. BDS, People's Dental College, Nepal.

**Education:** PhD in Molecular Oral Pathology from University of Bergen, Norway in 2011. BDS, in Dentistry from People's Dental College, Nepal in 2004.

**Expertise:** Oral Pathology. Cancer Research. Molecular Pathology. Molecular/Diagnostic Methods.

**Professional Affiliation:** University of Oslo, Norway.

**Correspondence:** **E-mail:** dipusapkota@gmail.com



## 222. Dipak Rimal (M; 1980; Jhapa, Nepal)

**Category:** Physics. Data Science.  
**Current Affiliation:** Research Scientist, The Bee Corp, Indianapolis, IN.  
**Past Experiences:** Post-Doctoral Researcher, University of Florida.  
**Education:** PhD in Physics-Proton Form Factor Puzzle and The CEBAF Large Acceptance Spectrometer (CLAS) Two-Photon Exchange Experiment from Florida International University, United States in 2014. MSc in Physics-Variation of Conductance with Voltage in the Region of Induced Superconductivity from Tribhuvan University, Nepal in 2003. BSc in Physics from Tribhuvan University, Nepal in 1998.  
**Awards:** ASCR Leadership Computing Challenge (ALCC) (Co PI) (2017) by US DOE.  
**Expertise:** Nuclear and Particle Physics. Data Science. Machine Learning.  
**Professional Affiliation:** American Physical Society. Nepal Physical Society. Golden Key International Honors Society.  
**Correspondence:** **Mailing Address:** Indianapolis, IN, USA. **Phone number/Cell:** +1-630-873-0247. **E-mail:** rimaldipak@gmail.com



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## 223. Dipendra Ghimire (M; 1981; Kaski, Nepal)

**Category:** Software Engineering.  
**Current Affiliation:** IT Programme Leader, Aspire2 International, 289 Tuam Street Christchurch, New Zealand.  
**Past Experiences:** IT programmer Leader, Aspire2 International. IT Lecturer, Ntec. IT Tutor, Lincoln University.  
**Education:** PhD in Software Engineering-The Impact of the Relationship between the Customer and the Software Development Team on the Outcome of a Software Development Project from Lincoln University, New Zealand in 2019. Masters in IT in Mobile app from Central Queensland University, Australia in 2010. BSc in Application from Gandaki College of Engineering and Science, Pokhara University, Nepal in 2005.  
**Awards:** PhD (2019) by Lincoln University. MIT (2010) by Central Queensland University. BSc (2005) by Gandaki College of Science.  
**Expertise:** Software Engineering. Team Leading. Research.  
**Professional Affiliation:** Aspire2 International. Lincoln University.  
**Correspondence:** **Mailing Address:** 223A Avonhead Road Christchurch, New Zealand. **Phone number/Cell:** +64211407931. **E-mail:** dipendra\_ghimire@yahoo.com



**224. Dipesh Dhakal (M; 1984; Surkhet, Nepal)**

**Category:** Biotechnology. Biochemistry.

**Current Affiliation:** Research Professor, Sun Moon University, Chungnam 31460, Republic of Korea.

**Past Experiences:** Post-Doctoral Researcher, Sun Moon University.

**Education:** PhD in Elucidation of gene cluster, structural modification and biosynthesis of nargenicin in *Nocardia* sp. CS682 from Sun Moon University, Republic of Korea in 2016. MSc in Development of Molecular Detection System for Identification of *Alternaria alternata* isolated from leaves of *Withania somnifera* (L) Dunal) from Guru Nanak Dev University, India in 2008. BTech in Study of prevalence of bird flu in Nepal using RT-PCR technique from Kathmandu University, Nepal in 2007.

**Awards:** Best Poster Award (2017) by Korean Society for Microbiology and Biotechnology. Best Oral Presentation Award (2015) by Korean Society for Microbiology and Biotechnology. Silver Jubilee Scholarship (2008-2010) by Indian Embassy, Nepal.

**Expertise:** Natural Product Biochemistry. Metabolic Engineering. Biological Activities of Natural Products.

**Professional Affiliation:** Sun Moon University, South Korea.

**Correspondence:** **Mailing Address:** Sun Moon University, 70, Sunmoon-ro 221, Tangjeong-myeon, Asan-si, Chungnam 31460, Republic of Korea. **Phone number/Cell:** 01063908789. **E-mail:** medipesh@gmail.com



**225. Dipesh Rupakheti (M; 1986; Makwanpur, Nepal)**

**Category:** Environmental Science. Air Quality.

**Current Affiliation:** Post-Doctoral Researcher, Chinese Academy of Sciences, China, Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences, Lanzhou 730000, China.

**Past Experiences:** Researcher, Institute of Tibetan Plateau Research, CAS, China. Research Associate: Sustainable Atmosphere for the Kathmandu Valley-Atmospheric Brown Clouds (SusKat-ABC) under IASS, Germany. Researcher, AIT, Thailand.

**Education:** PhD in Physical Geography-Study of Aerosol Optical Depth, Atmospheric Particulate Matters and Ozone Across the Central Himalayas from Institute of Tibetan Plateau Research, Chinese Academy of Sciences (ITPCAS) and University of Chinese Academy of Sciences (UCAS), China in 2017. MSc in Environmental Engineering and Management-Assessment of Indoor Air Pollution Levels and Potential Technology Scenarios for Air Quality and Climate Co-Benefits: a case study of Hatiya VDC, Makawanpur, Nepal from Asian Institute of Technology (AIT), Thailand in 2012. BSc in Environment Management from Pokhara University, Nepal in 2008.

**Awards:** CAS-PIFI Fellowship for Post-Doctoral Researcher (2019) by Chinese Academy of Sciences. CAS-TWAS President Fellowship for International PhD Students (2013) by Chinese Academy of Sciences & The World Academy of Sciences. UNEP Fellowship (2010) by UNEP.

**Expertise:** Air Quality Monitoring. Indoor Air Pollution. Atmospheric Chemistry.

**Correspondence:** **Mailing Address:** c/o Dev Nath Rupakheti, Thulo Gangate, Hetauda-17, Nepal. **Phone number/Cell:** +9779845539257. **E-mail:** drupakheti2@gmail.com



**226. Divya Dudeja Bhatt (F; 1981; Kanchanpur, Nepal)**

**Category:** Geosciences.

**Current Affiliation:** Project Scientist, Women Scientist Scheme, Department of Science and Technology, DBS(PG) College, Dehradun, Karanpur, Dehradun, India.

**Past Experiences:** Research Associate, Wadia Institute of Himalayan Geology. Junior Research Fellow, DBS College, Dehradun. Junior Research Fellow, Wadia Institute of Himalayan Geology.

**Education:** PhD in Hydrogeo Chemistry from HNB Garhwal University, India in 2009. MSc in Geology from HNB Garhwal University, India in 2004. BSc in Geology, Physics, Maths from HNB Garhwal University, India in 2002.

**Awards:** Nepal Vidhya Bhusan Award (2014) by Ministry of Education, Government of Nepal. Appreciation Award (2005) by Institution of Engineers, India.

**Expertise:** Hydrology. Engineering Geology.

**Professional Affiliation:** DBS (PG) College, Dehradun, India.

**Correspondence:** **Mailing Address:** Rainbow Vihar, near Nalapani Chawk, Sahastradhara Road, Dehradun, Uttarakhand, India. **Phone number/Cell:** 91-7055570244. **E-mail:** divyadudeja@yahoo.co.in



**227. Drona Prakash Rasali (M; 1954; Palpa, Nepal)**

**Category:** Veterinary Science. Public Health.

**Current Affiliation:** Director, Population Health Surveillance and Epidemiology, British Columbia Centre for Disease Control, Provincial Health Services Authority, 655 West 12th Avenue, Vancouver, British Columbia, Canada.

**Past Experiences:** Provincial Chronic Disease Epidemiologist, Ministry of Health, Saskatchewan, Canada. Senior Scientist (Veterinary), Nepal Agricultural Research Council. Veterinary Officer, Department of Livestock Services, Government of Nepal.

**Education:** PhD in Genetic analysis of Association between Growth and Reproduction using Animal Models from University of Manitoba, Canada in 2005. MSc in Estimation of Genetic Parameters and Selection Index for Growth and Reproduction in Pigs from University of the Philippines at Los Banos, Philippines in 1991. BVSc in Veterinary Medicine and Animal Sciences from University of Agricultural Sciences, Bangalore, India in 1980.

**Awards:** Fellow of American College of Epidemiology (FACE) (2012) by American College of Epidemiology. Award of Excellence in recognition to valuable contributions to the Saskatchewan Ministry of Health, Canada (2012) by Saskatchewan Ministry of Health, Canada. A Certificate of Outstanding Reviewer's Contribution (2015) by Small Ruminant Research, an Elsevier Research Journal.

**Expertise:** Public Health. Population Health. Epidemiology. Animal Quantitative Genetics. Reproduction and Breeding. Veterinary Medicine.

**Professional Affiliation:** Canadian Public Health Association. American College of Epidemiology. Nepal Veterinary Council and Nepal Veterinary Association.

**Correspondence:** **Mailing Address:** 655 West 12th Avenue, Vancouver, British Columbia V5Z 4R4, Canada. **Phone number/Cell:** 16047072493. **E-mail:** drona.rasali@gmail.com



**228. Durga Bahadur Dura (M; 1960; Lamjung, Nepal)**

**Category:** Watershed Management. Land Conservation Engineering.

**Current Affiliation:** Safeguard Specialist, Pokhara Regional International Airport Project, Pokhara-14, Kaski, Nepal.

**Past Experiences:** Soil Conservation Officer, Department of Soil Conservation and Watershed Management, Ministry of Forests and Soil Conservation, Nepal. Executive Director, Ecology, Agriculture and Rural Development Society (ECARDS) Dolakha. Watershed Management Specialist, Building Climate Resilience of Watershed in Mountain Eco-regions Project.

**Education:** PhD in Expansion of Bamboo Stands and Effect of Soil Moisture on Bamboo Forest from Ehime University, Japan in 2006. MSc in Environmental Technology from Kochi University, Japan in 2003. BSc in Agricultural Sciences from Central Campus, Institute of Agriculture and Animal Science, Tribuvan University, Rampur, Nepal in 1982.

**Awards:** 'Ka' Vidhya Bhusan Shreni Padak (2008) by President, Government of Nepal. First PhD Award from Dura Community (2008) by Dura Service Society, Nepal.

**Expertise:** Participatory Integrated Watershed Management Planning. Monitoring and Implementation. Sustainable Soil Management. Agriculture. Water Induced Disaster Management.

**Professional Affiliation:** Life Member, Nepal PhD Association (NPA), Kathmandu. General Member, Soil Conservation Society of Nepal (Socos) Kathmandu. General Member, Landslide Society of Nepal, Kathmandu.

**Correspondence:** **Mailing Address:** Jhulpakha, Kusunti, Lalitpur-14, Nepal. **Phone number/Cell:** +97715121117/9841020065. **E-mail:** duradb@gmail.com



**229. Durga Bahadur Karanjit (M; 1952; Bhaktapur, Nepal)**

- Category:** Industrial Management. Environment.
- Current Affiliation:** Chairperson, PACE Nepal Pvt Ltd, Anamnagar, Kathmandu-29, Kathmandu.
- Past Experiences:** Cleaner Production and OHS Expert, Environment Sector Programme Support (ESPS) Project. Director (Technical), Department of Cottage and Small Industries. Chemical Engineer, Nepal Bureau of Standard and Metrology.
- Education:** PhD in Environmental Science-Reduction of Pollution and Enhancement of Productivity in Industries through Attitude Change and Cleaner Production: Perception and Reality in Nepal, from Singhania University, India in 2014. ME in Chemical Technology Engineering-Technology of Plastic processing from Moscow Institute of Fine Chemical Technology, Russian Federation in 1978. Research Diploma in Polymer Liquid Crystal from Tokyo Institute of Technology, Japan in 1989.
- Awards:** Nepal Vidhya Bhusan 'Ka' (2016) by Ministry of Education.
- Expertise:** Resource Efficient Cleaner Production. Industrial Pollution Management and Waste Management. Feasibility Studies on Establishment of Industrial Enterprises.
- Professional Affiliation:** Nepal Engineering Association, Kathmandu Nepal. Engineering Council, Kathmandu. Management Association of Nepal, Kathmandu.
- Correspondence:** **Mailing Address:** Gatthaghar, Madhyapur Thimi-3, Bhaktapur, Nepal. **Phone number/Cell:** 016630918/9851009316. **E-mail:** dbkaranjit@yahoo.com



**230. Durga Bista (F; 1979; Kathmandu, Nepal)**

**Category:** Clinical Pharmacy. Pharmacology. Pharmacy Practice.

**Current Affiliation:** Assistant Professor, Kathmandu University, Dhulikhel-4, Kavre.

**Past Experiences:** Hospital Pharmacist, Manipal Teaching Hospital. Lecturer, Nepal Medical College. Full Time Faculty, Kathmandu University.

**Education:** PhD in Antithrombotic Therapy in Patients with Atrial Fibrillation: the Tasmanian Experience from University of Tasmania, Australia in 2016. MSc in Medical Pharmacology in Impact of educational intervention on pattern of potential drug-drug interaction in internal medicine wards of a teaching hospital in Nepal from Manipal Medical College, Nepal in 2007. BPharm in Case studies of Hospitalized Patients due to drug related Complications from Kathmandu University, Nepal in 2003.

**Awards:** AusAID Award (2012) by Australian Government. Netherlands Fellowship Programmes (2010) by Netherlands Government.

**Expertise:** Atrial Fibrillation. Clinical Research. Pharmacology.

**Professional Affiliation:** Nepal Pharmaceutical Association. Nepal Pharmacy Council. Graduate Pharmacists' Association of Nepal.

**Correspondence:** **Mailing Address:** Kirtipur-6, Charghare, Kathmandu, Nepal. **Phone number/Cell:** 9841619321. **E-mail:** durga.bista@ku.edu.np



### 231. Durga Mani Gautam (M; 1954; Gulmi, Nepal)

**Category:** Agriculture.

**Past Experiences:** Vegetable Packhouse Consultant, KISAN II, Winrock International, Lalitpur, Nepal. Chairman of Service Commission, Agriculture and Forestry University, Nepal. Professor of Horticulture, IAAS, Tribhuvan University.



**Education:** PhD in A study of the growth, production and postharvest behaviour of sweet potato (*Ipomoea batatas* Lam.) from Bangladesh Agricultural University, Bangladesh in 1996. MSc in Effect of preharvest calcium spray on postharvest behavior of Carabao mango from UPLB, Philippines in 1984. BSc from GBPUA & T, Pantnagar, UP, India in 1979.

**Awards:** Outstanding Research Leader and Scientist in Quality and Postharvest Horticulture (2015) by International Society of Horticultural Science and Royal University of Agriculture, Cambodia. Prabal Gorkha Dakshin Bahu-Chautah (2003BS) by His Majesty King Gyanendra Bir Bikram Shaha Dev Sikshya Puraskar (Best Campus Chief) (2061 BS) by Ministry of Education, Nepal.

**Expertise:** Postharvest Horticulture. Fruit and Vegetable Packhouse Design and Management. Banana Production and Postharvest Handling.

**Professional Affiliation:** KISAN II, Winrock International. Pathway Technologies and Services, Pvt Ltd, Kathmandu, Nepal. Agriculture and Forestry University, Nepal.

**Correspondence:** **Mailing Address:** Pragatinagar Tole, Tokha-10, Kathmandu, Nepal. **Phone number/Cell:** 9855065915. **E-mail:** durgagautam2013@gmail.com

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### 232. Durga Prasad Sapkota (M; 1972; Surkhet, Nepal)

**Category:** Telecommunication and Optical Fiber Communication

**Current Affiliation:** Technical Officer, Nepal Telecom, Bhadrakali Plaza, Kathmandu.

**Past Experiences:** Research Assistant, Chubu University, Japan. Post-Doctoral Researcher, Chubu University, Japan. Technical Officer, Research Section, Nepal Telecom.



**Education:** PhD in Optical Fiber communication and its module from Chubu University, Japan in 2012. MSc in Mathematics from Tribhuvan University, Nepal in 1998. BSc in Physics and Mathematics, Chemistry from Tribhuvan University, Nepal in 1996.

**Awards:** Nepal Vidhya Bhusan (2070) by Ministry of Education. Nabil Science and Technology Award (2072) by NAST.

**Expertise:** Fiber to The Home Network. Light Source Modulator. Optical Fiber and Receiver. Backbone Network for Telecommunication.

**Professional Affiliation:** Nepal Telecom, Research Section, Central Office, Bhadrakali Plaza, Kathmandu.

**Correspondence:** **Mailing Address:** Gokarnesore-5, Narayantar, Kathmandu, Nepal. **Phone number/Cell:** 9851111950. **E-mail:** durga.sapkota@ntc.net.np

**E**

**233. Ek Raj Baral (M; 1980; Kaski, Nepal)**

**Category:** Organic Chemistry.

**Current Affiliation:** Deputy General Manager, Medigen Inc, 37-7, Yuseong-daero 1628beon-gil, Yuseong-gu, daejeon, Korea.

**Past Experiences:** Post-Doctorate, Chunbuk National University, South Korea. Lecturer, Pokhara Technical Health Multipurpose Institute. Lecturer, Western Health Science Academy.

**Education:** PhD in Organic Synthesis Novel Construction of Aromatics and Heteroaromatics via C-C Bond Formation from Yeungnam University, Republic of Korea in 2017. MSc in Organic Chemistry from Tribhuvan University, Nepal in 2003. BSc in Chemistry from Tribhuvan University, Nepal in 2001.

**Expertise:** Organic Synthesis. Structural Elucidation. Total Synthesis.

**Professional Affiliation:** Medigen Inc, Korea.

**Correspondence:** **Mailing Address:** Daejeon City, Yeusong-gu, Jeonmindong, 26 street, 12. **Phone number/Cell:** +821030073231. **E-mail:** baralek03@gmail.com



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**234. Eliza Shrestha (F; 1977; Lalitpur, Nepal)**

**Category:** Gynaecologic Oncology.

**Current Affiliation:** Doctor, Bhaktapur Cancer Hospital, Nepal.

**Past Experiences:** Lecturer, Patan Hospital. Consultant, Norvic Hospital. Consultant, National Cancer Hospital.

**Education:** PhD in Gynecologic Oncology from Sun Yat-sen University, China in 2011. MSc in Gynaecologic Oncology from Sun Yat-sen University, China in 2008. MBBS from Henan University, China in 2003.

**Awards:** ASCO IDEA Award (2011) by ASCO. ASGO IDEA Award (2012) by ASGO. SGO (2014) by SGO.

**Expertise:** Gynecologic Surgery. Colposcopy. Minor Gynecologic Surgery.

**Professional Affiliation:** Bhaktapur Cancer Hospital. Norvic Hospital. National Cancer Hospital.

**Correspondence:** **Mailing Address:** EPC 391, GPO 8975, Kathmandu, Nepal. **Phone number/Cell:** 9841268816. **E-mail:** elizashrestha@hotmail.com



**235. Era Tuladhar (F; 1971; Kathmandu, Nepal)**

**Category:** Biology. Microbiology. Virology. Biotechnology.

**Current Affiliation:** Faculty Member, National College, Department of Biotechnology, Khusibu, Kathmandu, Nepal.

**Past Experiences:** Senior Quality Control Officer, Nepal Aushadhi Limited Undertaking of Nepal Government, Babarmahal, Kathmandu, Nepal. Visiting Faculty Member, Central Department of Microbiology, Tribhuvan University.

**Education:** PhD in Intervention methods to control the transmission of Noroviruses and other enteric and respiratory viruses from Wageningen University, The Netherlands in 2014. MSc in Cellular and Molecular Biotechnology from Wageningen University, Netherlands in 2005. BSc in Biology/Microbiology from Tri-Chandra College, Tribhuvan University, Kathmandu, Nepal in 1994.

**Awards:** Mahendra Vidhya Bhusan 'Kha' (1998) by His Majesty the King of Nepal. Nepal Vidhya Bhusan 'Ka' (2019) by Government of Nepal.

**Expertise:** Virology-Cell Culture. Virus Culture. Microbiology. Molecular Biology. Biotechnology. Infection Control.

**Professional Affiliation:** Pharmaceutical Association of Nepal. Women in Science and Technology, Nepal. Microbiological Society of Nepal.

**Correspondence:** **Mailing Address:** Sitapaila, PO Box 4642, Kathmandu, Nepal. **Phone number/Cell:** 4034620/9841407054. **E-mail:** era\_kansakar@hotmail.com



G

**236. Gajendra Sharma (M; 1971; Syangja, Nepal)**

**Category:** Information's Systems. Technology.

**Current Affiliation:** Associate Professor, Kathmandu University, Dhulikhel, Kavre.

**Past Experiences:** Associate Professor, Liaoning Technical University, China. Principal, Himalaya College of Engineering (Affiliated to Tribhuvan University), Kathmandu. Executive Manager, Fewa Net Pvt Ltd, Pokhara.

**Education:** PhD in Information Systems Engineering from Harbin Institute of Technology, China in 2011. ME in Electronics and Communication Engineering from Moscow Technical University of Communications and Information Technology, Russian Federation in 1997. BE in Electronics and Communication Engineering from Moscow Technical University of Communications and Information Technology, Russian Federation in 1995.

**Awards:** Nabil Science and Technology (2019) by NAST. Vidhya Bhusan 'Ka' (2017) by Nepal Government. Chinese Scholarship (2008) by Government of China.

**Expertise:** Digital Governance. e-Commerce. Crisis and Emergency Management.

**Professional Affiliation:** Member, Nepal Engineering Association. Member, Society of Electronics and Communication Engineers Nepal. Director (for Nepal), Loving Center for Disaster Victims, Korea.

**Correspondence:** **Mailing Address:** Shankhamul-32, New Baneshwor, Kathmandu, Nepal.  
**Phone number/Cell:** 9840093887. **E-mail:** gajendra.sharma@ku.edu.np



**237. Gan Bahadur Bajracharya (M; 1971; Palpa, Nepal)**

**Category:** Chemistry

**Current Affiliation:** Senior Scientist, Nepal Academy of Science and Technology (NAST), Khumaltar, Lalitpur, Nepal.

**Past Experiences:** Associate Professor, The Institute of Scientific and Industrial Research (ISIR), Osaka University, Osaka, Japan. Assistant Professor, Department of Chemistry, Graduate School of Science, Tohoku University, Sendai, Japan. Research Associate, Research Centre for Applied Science and Technology (RECAST), Tribhuvan University, Kirtipur, Nepal.

**Education:** DSc in Chemistry-Transition metal-catalyzed carboalkoxylation of aryl alkynes bearing ortho-acetal derivatives from Graduate School of Science, Tohoku University, Japan in 2004. MSc in Chemistry-Isolation and identification of the potentially anticarcinogenic flavonoids and their quantification in the vegetables commonly consumed in Nepal from Central Department of Chemistry, Tribhuvan University, Nepal in 1995. BSc in Chemistry, Zoology, Botany from Tribhuvan Multiple Campus, Tribhuvan University, Nepal in 1992.

**Awards:** Eby Nell McElrath Post-Doctoral Award (2008) by University of Houston, Texas. JSPS Post-Doctoral Award (2005) by Japan Society for the Promotion of Science. MONBUSHO for Doctoral Studies (2000) by Government of Japan.

**Expertise:** Organometallic Catalysis. Asymmetric Synthesis. Natural Product Chemistry.

**Professional Affiliation:** Nepal Chemical Society. Nepal JSPS Alumni Association. Nepal Journal of Science and Technology.

**Correspondence:** **Mailing Address:** Nepal Academy of Science and Technology (NAST), Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** +9779849636069. **E-mail:** ganbajracharya@yahoo.com, gan.bajracharya@nast.gov.np



### 238. Ganesh Bahadur Thapa (M; 1967; Bhojpur, Nepal)

**Category:** Zoology.

**Current Affiliation:** Associate Professor and Chief, Natural History Museum, TU, Swayambhu, Kathmandu, Nepal.

**Past Experiences:** HOD, Biology Department and Member of editorial board HiJOST, Central Campus of Technology, TU, Dharan. Member of Executive Committee and Management Committee, Central Campus of Technology, TU, Dharan. Member of Selection Committee (Service Commission), BPKIHS, Dharan.

**Education:** PhD in Zoology-Study on some Physicochemical Parameters of water bodies and microbial fish diseases in eastern Nepal from North Bengal University, Darjeeling, West Bengal, India in 2017. MSc in Zoology-Morphological variations of kidney of some fishes in eastern Nepal from TU, Nepal in 1994. BSc in Zoology, Botany and Chemistry from TU, Nepal in 1992.

**Awards:** Vidhya Bhusan 'Ka' (2017) by Rt. Honorable President of Nepal.

**Expertise:** Fish Disease. Water Quality and Fish Farming. MSc Theses Evaluation and Review.

**Professional Affiliation:** TU. Hebrew University, Jerusaelum. NBU, India.

**Correspondence:** **Mailing Address:** Natural History Museum, IOST, TU, Swayambhu, Nepal. **Phone number/Cell:** 9842053287. **E-mail:** ganeshbdr13@gmail.com.



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### 239. Ganesh Bist (M; 1985; Kailali, Nepal)

**Category:** Medicinal Chemistry.

**Current Affiliation:** Post-Doctoral Researcher, Daegu Gyeongbuk Medical Innovation Foundation (DGMIF), gyeongsan si, gyeongsanbukdo, sampungdong dalmajhi bil.

**Past Experiences:** Post-Doctoral Researcher, DGMIF. Quality Control Officer, Hukam Pharmaceutical. Lecturer, Bhageshwor Academy of Health Sciences.

**Education:** PhD in Medicinal Chemistry-Design, Synthesis, and Biological Evaluation of Flexible and Rigid Bioisosteres of Pyridine Derivatives for The Development of Potential Anticancer Agents from Yeungnam University, Korea in 2018. MSc in Medicinal Chemistry-Design and Synthesis of Hydroxylated 2-phenyl-4,6-dithienylpyridines as Potential Antitumor Agents from Yeungnam University, Korea in 2015. BSc in Pharmacy from Pokhara University, Nepal in 2009.

**Awards:** University Scholarship Award (Master) (2013) by Yeungnam University. University Scholarship Award (PhD) (2015) by Yeungnam University.

**Expertise:** Design and Synthesis of Anticancer Agents. Design and Synthesis of Anti-Inflammatory Agents.

**Correspondence:** **Mailing Address:** gyeongsan si, gyeongsanbukdo, sampungdong dalmajhi bil room no.202. **Phone number/Cell:** +82104065227. **E-mail:** ganesbist@gmail.com



**240. Ganesh Nath Tripathi (M; 1975; Dolakha, Nepal)**

**Category:** Geology.

**Current Affiliation:** Senior Divisional Geologist, Department of Mines and Geology, Lainchaur, Kathmandu.

**Past Experiences:** Part-time Lecturer, Amrit Science College, Tribhuvan University. Research and Teaching Assistant, University of Kentucky, USA. Research Associate, International Center for Integrated Mountain Development.

**Education:** PhD in Geology-Spatial-Temporal Variability in Groundwater Discharge and Contaminant Fluxes Along a Channelized Stream in Western Kentucky from University of Kentucky, United States in 2013. MSc in Geology-Use of Surface Geophysical Techniques to Locate a Karst Conduit in the Kane Run-Royal Spring Basin, Kentucky from University of Kentucky, United States in 2009. BSc in Geology from Tribhuvan University, Nepal in 1998.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2014) by President, Nepal.

**Expertise:** Geophysical Exploration. Hydrogeophysical Investigation. General Geology.

**Professional Affiliation:** Department of Mines and Geology, Government of Nepal.

**Correspondence:** **Mailing Address:** Department of Mines and Geology, Kapurdhara Marg, Lainchaur, Kathmandu, Nepal. **Phone number/Cell:** 9851156675. **E-mail:** ganeshtri@gmail.com



**241. Ganesh Ram Nhemafuki (M; 1982; Bhaktapur, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Capacity Enhancement Advisor, Nepal Health Sector Support Programme, Oasis building, Patan Dhoka, Lalitpur.

**Past Experiences:** Team Leader, Project Coordination Unit of FC Recovery Programme-Infrastructure Component, Bhaktapur. Lecturer, Khwopa Engineering College. Principal, Khwopa Polytechnic Institute.

**Education:** PhD in Seismic Vulnerability Assessment of Reinforced Concrete Buildings Built According to the Mandatory Rules of Thumb of Nepal National Building Code NBC205: 1994 from University of Chieti-Pescara, Italy in 2015. Master of Engineering in Earthquake from Purbanchal University, Khwopa Engineering College, Nepal in 2007. BE in Civil Engineering from Purbanchal University, Khwopa Engineering College, Nepal in 2005.

**Awards:** Nepal Vidhya Bhusan (2016) by Honorable Bidhya Devi Bhandari, President of Nepal. EU-NICE Scholarship (2011) by EU-NICE project, Coordinated by Sapienza University of Rome. Mondialogo Engineering Award (2007) by Daimler and UNESCO.

**Expertise:** Dynamics Analysis of Structures. Pushover Analysis. Nonlinear Dynamic Analysis. Structural Design of Buildings. Performance Based Design of Structures. Capacity Enhancement of Engineers. Training Needs Assessment (TNA). Preparation of Training Courses. Implementation of Technical Skill and Policy Related Training and Measuring Their Impact. Documentations. Preparation of Handbooks for The Specific Target Group.

**Professional Affiliation:** Nepal Engineering Council. Nepal Engineers' Association.

**Correspondence:** **Mailing Address:** Maheshwori, Bhaktapur-8, Nepal. **Phone number/Cell:** +977016610071/9841543154. **E-mail:** ganesh\_ram\_nhemaufuki@yahoo.com



**242. Ganesh Sah (M; 1956; Dhanusa, Nepal)**

**Category:** Agriculture.

**Current Affiliation:** Professor, Nepal Engineering College, Changunarayan-4, Bhaktapur, Nepal.

**Past Experiences:** Principal Scientist (S5), Agricultural Engineering Division, NARI, Khumaltar, Lalitpur. Senior Scientist (S4), Agricultural Implement Research Center, Birganj-14, Parsa. Scientist (S1), Bhairahawa Agriculture Farm, Padasari, Siddharthanagar, Rupandehi.

**Education:** PhD in Conservation Agriculture-Evaluation of Resource Conservation Technologies For Sustainable Rice (*Oryza sativa* L.)-Wheat (*Triticum aestivum* L.) System In The Nepal-Terai from Institute of Agriculture and Animal Science, Rampur, Chitwan, Nepal in 2016. ME in Farm Power and Machinery from Tamil Nadu Agriculture University, India in 1992. BTech in Processing & Agricultural Structures from Punjab Agriculture University, College of Agriculture Engineering, India in 1983.

**Awards:** Nepal Vidhya Bhusan (2019) by Honorable President, Nepal.

**Expertise:** Team Leader, 2008/09 to 2010/11, Clusters 1, Bara & Parsa, Cereal Systems Initiative for South Asia (CSISA) Project. Team Leader, 2004/05 to 2006/07, AIRC/ Parwanipur, International Fund for Agriculture Development/ International Rice Research Institute IFAD/IRRI. Site Coordinator, 2001/02 to 2004/05, AIRC/ Parwanipur, Rice Wheat Consortium for Indo-Gangetic Plains (RWC-IGP/ CIMMYT).

**Professional Affiliation:** International Maize and Wheat Improvement Center (CIMMYT), El Batan, Apdo. International Rice Research Institute, Manila, Philippines. Cornell University, USA.

**Correspondence:** **Mailing Address:** Mahalaxmi-4, Imadole, Shitaltole, Lalitpur, Nepal. **Phone number/Cell:** 9845038462. **E-mail:** sahganes35@yahoo.com



### 243. Ganesh Thapa (M; 1982; Jhapa, Nepal)

**Category:** Agricultural Economics.

**Current Affiliation:** Consultant, Free Lancer, Barhadashi-7, Jhapa, Nepal.

**Past Experiences:** Economist, Asian Development Bank. Economist, The World Bank. National Policy Officer, The World Food Program.

**Education:** PhD in Economic Development and Child Nutrition in Nepal from Purdue University, United States in 2015. MSc in The Asian Ethnic Fish Market in the Northeastern Region of the US from University of Arkansas at Pine Bluff, United States in 2010. BSc in Agriculture from Institute of Agriculture and Animal Science, Tribhuvan University, Nepal in 2004.

**Awards:** Travel Award (2009) by International Association of Aquaculture Economics and Management. Graduate Research Assistantship (2012) by Purdue University. Graduate Research Assistantship (2008) by University of Arkansas at Pine Bluff.

**Expertise:** Agriculture Development. Food Security. Data Analysis. Report/Article Writing.

**Professional Affiliation:** Nepal Agricultural Economic Society (NAES). Australian Agricultural and Resource Economics Society (AARES). Agricultural and Applied Economics Association (AAEA).

**Correspondence:** **Mailing Address:** Barhadashi-7, Jhapa, Nepal. **Phone number/Cell:** +9779813080360. **E-mail:** thapaganesh@gmail.com



### 244. Ganga Raj Pokhrel (M; 1969; Chitwan, Nepal)

**Category:** Analytical Chemistry.

**Current Affiliation:** Asst. Professor, Tribhuvan University, Birendra Multiple Campus, Bharatpur, Chitwan.

**Past Experiences:** Quality Control Officer, Time Pharmaceutical, Mukundapur, Nawalparasi. Teaching Assistant, Birendra Multiple Campus, Chitwan.

**Education:** PhD in Effect of Selenium in soil on the toxicity and uptake of arsenic in rice plant from Fujian Agriculture and Forestry University, Fuzhou, China in 2019. MSc in Chemistry from Tribhuvan University, Nepal in 1994. BSc from Tribhuvan University, Nepal in 1991.

**Awards:** Excellent Research Award (2018) by Fujian Agriculture and Forestry University, Fuzhou, china.

**Expertise:** Ion Chromatography Inductively Coupled Plasma Mass Spectroscopy (IC-ICP-MS). AAS. Protocol Development in Microwave Enzymatic Extraction, Determination of TOC, TC, IC and TN. Microwave Enzymatic Extraction of Arsenic and Selenium Species from Different Organs of Rice.

**Professional Affiliation:** Department of Chemistry, Birendra Multiple Campus, Tribhuvan University, Chitwan,

**Correspondence:** **Mailing Address:** Bharatpur-9, Chitwan, Nepal. **Phone number/Cell:** 9845606727. **E-mail:** pokhrelgangaraj1967@gmail.com



## 245. Ganga Ram Phaijoo (M; 1981; Bhaktapur, Nepal)

**Category:** Mathematics.

**Current Affiliation:** Assistant Professor, Kathmandu University, Kavre, Nepal.

**Past Experiences:** Lecturer, Khwopa HSS.

**Education:** PhD in Study of Dengue Disease Transmission Dynamics by Mathematical Models from Kathmandu University, Nepal in 2018. MA in Mathematics from Tribhuvan University, Nepal in 2006. BA in Mathematics, Economics from Tribhuvan University, Nepal in 2004.

**Awards:** NMS Fellowship (2018) by Nepal Mathematical Society. Nepal Vidhya Bhusan 'Ka' (2019) by Government of Nepal.

**Expertise:** Epidemiology. Mathematical Modeling of Infectious Diseases. Numerics in ODEs and PDEs.

**Professional Affiliation:** Kathmandu University, Dhulikhel, Kavre, Nepal.

**Correspondence:** **Mailing Address:** Department of Mathematics, Kathmandu University, Nepal. **Phone number/Cell:** 9841755619. **E-mail:** gangaram@ku.edu.np, g7ganga@yahoo.com



## 246. Ganga Shrestha (F; 1948; Kathmandu, Nepal)

**Category:** Statistics.

**Current Affiliation:** Academician, Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal.

**Past Experiences:** Associate Professor, Central Department of Statistics Tribhuvan University. Chairperson, Central Department of Statistics Tribhuvan University. Professor, Central Department of Statistics Tribhuvan University.

**Education:** PhD in Statistics-Application of Stochastic Models in Fertility Analysis from University of Delhi, India in 1986. MSc in Statistics from Bhagalpur University, India in 1968. BSc in Physics, Chemistry, Mathematics, English and Nepali from Tribhuvan University, Tri-Chandra College, Nepal in 1966.

**Awards:** Mahendra Vidhya Bhusan (1970, 1988) by Ministry of Education, Nepal. National Education Award (1978) by Ministry of Education, Nepal. Associate Member International Centre for Theoretical Physics, (ICTP) Trieste, Italy (1984 to 1989) by ICTP.

**Expertise:** Industrial Statistics. Probability Theory. Mathematical Demography.

**Professional Affiliation:** Tribhuvan University, Kirtipur, Nepal Academy of Science and Technology, Khumaltar.

**Correspondence:** **Mailing Address:** Kuleshwor Awash-14, Kathmandu, Nepal. **Phone number/Cell:** 4282217/9841587680. **E-mail:** shrestha.g48@gmail.com



**247. Gaurishankar Manandhar (M; 1956; Kathmandu, Nepal)**

**Category:** Cell Biology.

**Past Experiences:** Lecturer, Tribhuvan University. Visiting Professor, Miyazaki Medical College, Japan. Assistant Professor, University of Missouri, USA.

**Education:** PhD in Cell Biology from Moscow State University, Russian Federation in 1991. MSc in Botany from Tribhuvan University, Nepal in 1982. BSc in Botany from Tribhuvan University, Nepal in 1978.

**Expertise:** Electron Microscopy. Proteomics. Animal Cloning.

**Professional Affiliation:** Tribhuvan University. University of Missouri, USA. Chonbuk National University, Korea.

**Correspondence:** **Mailing Address:** Crystal Homes #16, Tahachal, Kathmandu-13, Nepal. **Phone number/Cell:** 9849893765. **E-mail:** gaurishankar.manandhar@gmail.com



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**248. Gautam Prashad Khanal (M; 1988; Kathmandu, Nepal)**

**Category:** Geology.

**Current Affiliation:** Geologist, Department of Mines and Geology, Lainchaur Kathmandu.

**Past Experiences:** Geologist, Department of Mines and Geology.

**Education:** PhD in Tectono-Metamorphic Evolution of the Greater Himalayan Crystalline from University of Chinese Academy of Sciences, China in 2019. MSc in Geology from Tribhuvan University, Nepal in 2013. BSc in Geology from Tribhuvan University, Nepal in 2009.

**Expertise:** Metamorphism. Tectonics.

**Correspondence:** **Mailing Address:** Dhapasi, Kathmandu, Nepal. **Phone number/Cell:** 9849105747. **E-mail:** gautam\_khanal2009@yahoo.com



**249. Geeta Bhattra Bastakoti (F; 1980; Parbat, Nepal)**



- Category:** GESI and Sustainable Development.
- Current Affiliation:** Gender and Climate Services Analyst, ICIMOD, Khumaltar, Lalitpur 44700, Nepal.
- Past Experiences:** Gender and Social Development Specialist, BCRWME, NDF 1, Agriconsulting Europe S.A. National Consultant Gender and Climate, FAO, Nepal. Gender Research Associate and Associate Coordinator, Unit for Social and Environmental Research, M-POWER, Chiangmai University, Thailand.
- Education:** PhD in Gender and Development, Gender Implications of Climate Variability and Food Security in Nepal from Asian Institute of Technology, Thailand in 2020. MSc in Gender and Development, Gender Participation and Benefit Sharing in the Community Forestry Management in Nepal from Asian Institute of Technology, Thailand in 2008. Bachelors of Commerce, Management in Economics from VKK Menon College of Economics and Science, University of Mumbai, India in 2002.
- Awards:** Norwegian Ministry of Foreign Affairs (2012) by Asian Institute of Technology. CLIFF Fellowship (2015) by CCAFS/CGIAR-IRRI Philippines. Bio-International Development Research Centre (IDRC)/Asian Institute of Technology “Enabling Bio-innovations for Poverty Alleviation in Asia” (2009) by Asian Institute of Technology.
- Expertise:** GESI and Natural Resource Management. GESI. Agriculture. Climate Change. Food Security. Livelihoods. GESI and Institutions.
- Professional Affiliation:** International Association for Study of Commons. Climate Food and Farming Alumni (CLIFF Grads Alumni). Gandaki Provincial Advisor Committee Member for Development-Gender Equality.
- Correspondence:** **Mailing Address:** Civil Homes Phase 7, Khumaltar Height, House 47, Lalitpur, Nepal. **Phone number/Cell:** +9779806806033. **E-mail:** geetab2008@gmail.com, geeta.bastakoti@icimod.org

**250. Geeta Sharma (F; 1958; Kathmandu, Nepal)**

**Category:** Zoology.

**Current Affiliation:** Professor, Department of Zoology, Tri-Chandra Campus, Tribhuvan University, Ghantaghar.

**Past Experiences:** Associate and Assistant Professor, Tribhuvan University, Tri-Chandra Campus.

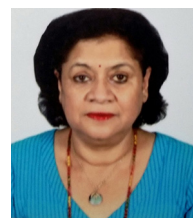
**Education:** PhD in Fresh Water Biology from Dhaka University, Bangladesh in 2007. MSc in Zoology (Fisheries) from Tribhuvan University, Nepal in 1981. BSc in Zoology, Botany, Chemistry from Tribhuvan University, Nepal in 1978.

**Awards:** Mahendra Vidhya Bhusan 'Ka' (2008) by President of Nepal.

**Expertise:** Academics. Policy Making. Research.

**Professional Affiliation:** Nepal Zoological Society (NZS). Civil Servants Wives Association (CISWA). Rupak Memorial Foundation.

**Correspondence:** **Mailing Address:** Danphe-9, Prestige Apartment, Bansidhar Marg, Chandol, Kathmandu, Nepal. **Phone number/Cell:** 01-4416384/9851000563. **E-mail:** geeach@gmail.com



**251. Geeta Shrestha Vaidya (F; 1951; Kathmandu, Nepal)**

**Category:** Botany. Biotechnology.

**Current Affiliation:** Associate Professor, Kantipur Valley College, Lalitpur, Nepal.

**Past Experiences:** Senior Scientific Officer (Retired), Nepal Academy of Science and Technology (NAST), Khumaltar. Associate Professor, SICOST, Chakrapath. Associate Professor, SAAN International College, Bhatkepur.

**Education:** PhD in Influence of Mycorrhizal Fungi in Stabilising soils in Baluwa Village (Dhulikhel District) subjected to Erosion from Tribhuvan University collaboration with Lund University, Sweden, Netherlands Antilles in 2010. MSc in Plant Pathology-Study of Aquatic Microflora of different Ponds from Tribhuvan University, Nepal in 1981. BSc in Botany-Study of Different Diseases of Vegetables from Amrit Science College, Nepal in 1978.

**Awards:** Study of Ectomycorrhizal Fungi in Mid hill of Pine forest, Nepal (1991) by International Foundation for Science, Sweden. Gorkha Dakshin Bahu Pahilo (2011) by Government of Nepal. Influence of mycorrhizal fungi in stabilizing soils in areas subjected to erosion (2003-2006) by Swedish International Development.

**Expertise:** Endo and Ectomycorrhizae. Mushrooms. Biofertilizers.

**Professional Affiliation:** Lund University, Lund, Sweden. SANN International College, Bhaktapur. Kantipur Valley College, Kumariapati, Lalitpur.

**Correspondence:** **Mailing Address:** House No. 225 Jayabageshowri, Pashupati, Kathmandu-8, Nepal. **Phone number/Cell:** 015241242/9841660740. **E-mail:** geetashrestha1@hotmail.com



**252. Gehendra Bahadur Mahara (M; 1974; Dang, Nepal)**

**Category:** Health Science.

**Current Affiliation:** Research Scientist, Sun Yat-sen University, Guangzhou.

**Past Experiences:** Research Scholar, Capital Medical University, Beijing, China. Public Health Educator, National Academy of Medical Science, Bir Hospital. Public Health Consultant, Nepal Health and Environmental Education Center, Kathmandu, Nepal.

**Education:** PhD in Clinical Epidemiology-Infectious Disease from Capital Medical University, Beijing, China in 2017. MSc in Public Health from University of Wolverhampton, UK, in 2012. BSc in Public Health-Health Education from Tribhuvan University, Nepal in 2007.

**Awards:** Vidhya Bhusan (2017) by Government of Nepal. Excellent Student Award, China (2016) by China Government. CSC Award (2014-2017) by PhD Scholarship.

**Professional Affiliation:** Nepal Health Research Council, Nepal (Special Registration).

**Correspondence:** **Mailing Address:** No. 74 Zhongshang Road, Yuexiu Dist, Guangzhou.  
**Phone number/Cell:** 18565506074. **E-mail:** gbmahara@gmail.com



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**253. Ghan Shyam Pant (M; 1971; Darchula, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Reader, Siddhanath Science Campus, Mahendranagar, Kanchanpur.

**Past Experiences:** Assistant Lecturer, Siddhanath Science Campus, Mahendranagar. Lecturer, Siddhanath Science Campus, Mahendranagar.

**Education:** PhD in Mathematics-A Study on Ramanujan's Work in the Field of Basic Hypergeometric Series and Mock Theta Functions from Kumaun University Nainital, India in 2018. MSc in Mathematic from Tribhuvan University, Nepal in 1995. BSc in Mathematics, Physics and Statistics from Tribhuvan University, Nepal in 1992.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2019) by President of Nepal.

**Expertise:** Teaching Mathematics in Under Graduate and Graduate Levels.

**Professional Affiliation:** Life Member, Mathematical Society of Nepal.

**Correspondence:** **Mailing Address:** Siddhanath Science Campus Mahendranagar, Nepal.  
**Phone number/Cell:** +97799526109/9848723544. **E-mail:** gspant2008@gmail.com



**254. Ghanshyam Kharel (M; 1978; Chitwan, Nepal)**

**Category:** Neurology.

**Current Affiliation:** Senior Consultant Neurologist, NAMS, Bir Hospital, Kathmandu, Nepal.

**Past Experiences:** Senior Medical Officer, Koshi Zonal Hospital. Assistant Professor, Nobel Medical College. Assistant Professor, Universal College of Medical Sciences.

**Education:** DM in Neurology from Institute of Medicine, Tribhuvan University, Nepal in 2019. MD in Neurology from Huazhong University of Science and Technology, Tongji Medical College, China in 2007. MBBS from Zhengzhou University, China in 2003.

**Professional Affiliation:** Nepal Stroke Association. Nepal Medical Association. Nepalese Academy of Neurology.

**Correspondence:** **Mailing Address:** Department of Neurology, 3rd Floor OPD Block, Bir Hospital, Mahabaudha, Kathmandu, Nepal. **Phone number/Cell:** 9802998855. **E-mail:** Gskharel@gmail.com



**255. Gita Shrestha Rajbhandari (F; 1956; Kathmandu, Nepal)**

**Category:** Botany.

**Current Affiliation:** Associate Professor, Amri Campus, Tribhuvan University, Thamel, Kathmandu Nepal.

**Past Experiences:** Resource Person (Key Note Address) (2018), Multidisciplinary International Conference on Green Earth A Panoramic View 2018 Organized by Department of Botany, VMP's BN Bondodkar College of Science, Thane, Mumbai, India. Resource Person in International Conference on Natural Resources Management and Sustainable Agriculture (2017), New Arts, Commerce and Science College, Parner, Ahmednagar, Maharashtra, India. Head, Department of Microbiology, Amrit Campus, Kathmandu, Nepal.

**Education:** PhD in Mycology, Aeromycological Study of Kathmandu and Physiological study of some of the Isolates. from University of Chittagong, Bangladesh in 2010. MSc in Botany-Study of Physiology of *Fusarium oxysporum* from IOST, TU, Nepal in 1981. BSc in Major Botany from IOST, TU, Nepal in 1977.

**Awards:** Scholarship (2012) by 5th Advances Against Aspergillosis, Istanbul, Turkey. KDMA award (1997) by KDMA Research Trust for the work in Allergens, KTM, Nepal. Post Graduate Studies, UNESCO Fellowship (1994/1995) by UNESCO/CHINA.

**Expertise:** PhD Thesis Examination. Review of Scientific Articles in Journal.

**Correspondence:** **Mailing Address:** 24, Handigaun, Bhimsen Marga, Kathmandu-5, Nepal. **Phone number/Cell:** 014416383/9861346026. **E-mail:** gitashrestharajbhandari@gmail.com



**256. Gokarna Bahadur Motra (M; 1962; Gulmi, Nepal)**

**Category:** Structural Engineering.

**Current Affiliation:** Professor, IOE, Pulchowk Campus, TU, Lalitpur.

**Past Experiences:** Professor, IOE, Pulchowk Campus, TU, Nepal. Associate Professor, IOE, Western Region Campus, TU, Nepal. Assistant Professor, Pulchowk Campus, TU, IOE.

**Education:** PhD in Vibration Control of Connected Building using Magnetorheological Dampers from Indian Institute of Technology Bombay (IITB), India in 2012. MSc in Seismic Resistant Design of RCC Structures from Yerevan Architectural and Construction Institute, Armenia in 1991. BE in Seismic Resistant Design of Masonry Structures from Yerevan Architectural and Constructional Institute, Armenia in 1990.

**Awards:** Mahendra Vidhya Bhusan (2014) by Ministry of Education, Nepal.

**Expertise:** Seismic Resistant Design of RCC. Masonry and Heritage Structures. Vibration Control of Structures using Energy Dissipative Devices. Rehabilitation and Retrofit Design and Construction of Structures.

**Professional Affiliation:** Pulchowk Campus, Institute of Engineering, Tribhuvan University.

**Correspondence:** **Mailing Address:** Department of Civil Engineering, Pulchowk Campus, Patan, Lalitpur, Nepal. **Phone number/Cell:** 9851132966. **E-mail:** gmotra@ioe.edu.np



### 257. Gokarna Gautam (M; 1979; Gulmi, Nepal)

**Category:** Veterinary Science.

**Current Affiliation:** Assistant Professor, Agriculture and Forestry University, FAVF, AFU, Rampur, Chitwan.

**Past Experiences:** Scientist, Nepal Agricultural Research Council (NARC). JSPS Post-Doctoral Fellow, Rakuno Gakuen University, Hokkaido, Japan. Program Coordinator, Veterinary Science Program, Nepal Polytechnic Institute, Bharatpur, Chitwan.

**Education:** PhD in Veterinary Clinical Science-Some Clinical Studies on Endometritis, Urovagina and Delayed Resumption of Ovarian Activity Postpartum in Holstein Cows from United Graduate School of Veterinary Science, Japan in 2010. MSc in Veterinary Science, Yamaguchi University, Japan in 2007. BVSc & AH in Veterinary Science from Institute of Agriculture and Animal Science, Tribhuvan University, Nepal in 2002.

**Awards:** Young Scientist Award (2010) by NAST, Nepal. President Award for the Best PhD Graduate (2010) by Yamaguchi University, Japan. Nepal Vidhya Bhusan Padak (2012 & 2004) by Ministry of Education, Nepal.

**Expertise:** Animal Reproduction (Theriogenology). Management of Infertility in Dairy Cattle and Buffalo. Assisted Reproductive Technologies in Animals.

**Professional Affiliation:** Faculty of Animal Science, Veterinary Science & Fisheries, Agriculture and Forestry University, Rampur, Chitwan.

**Correspondence:** **Mailing Address:** Faculty of Animal Science, Veterinary Science & Fisheries, Agriculture and Forestry University, Rampur, Bharatpur-15, Chitwan, Nepal. **Phone number/Cell:** 9855064941. **E-mail:** ggautam@afu.edu.np



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### 258. Gokul K.C. (M; 1981; Kavrepalanchok, Nepal)

**Category:** Mathematics.

**Current Affiliation:** Assistant Professor, Kathmandu University, Dhulikhel-4, Kavrepalanchok.

**Past Experiences:** Lecturer, Kathmandu University.

**Education:** PhD in Mathematics-Mathematical Model for Temperature Distribution in Human Eye from Kathmandu University, Nepal in 2015. MPhil in Mathematics-Finite Fields and its Applications to Combinatorics from Kathmandu University, Nepal in 2011. BEd in Mathematics Education from Tribhuvan University, Nepal in 2002.

**Awards:** Nepal Vidhya Bhusan (2016) by Government of Nepal.

**Expertise:** Biomathematics. Modeling Different Parameters of Human Body. Partial Differential Equations. Finite Element Method. Finite Fields. Coding Theory and Cryptography.

**Professional Affiliation:** Kathmandu University, School of Science, Department of Mathematics, Dhulikhel-4, Kavrepalanchok.

**Correspondence:** **Mailing Address:** Panauti-9, Kavre, Nepal. **Phone number/Cell:** 9841472786. **E-mail:** gokul.kc@ku.edu.np



**259. Gopal Bahadur K.C. (M; 1957; Lamjung, Nepal)**

**Category:** Agriculture.

**Current Affiliation:** Academician, Nepal Academy of Science and Technology, Khumaltar, Lalitpur.

**Past Experiences:** Professor and Assistant Dean, TU, Institute of Agriculture and Animal Science, Dean Office, Kirtipur. Campus Chief, TU, Institute of Agriculture and Animal Science, Sundarbazar, Lamjung. Life Member, Nepal Development Research Institute, Pulchok.

**Education:** PhD in Plant Pathology (Bacteriology) from Georg August University, Faculty of Plant Protection, Germany in 1999. MSc in Plant Pathology (Bacteriology) from Georg August University, Faculty of Plant Protection, Germany in 1997. BSc in General Agriculture (Horticulture) from Institute of Agriculture and Animal Science, TU, Rampur, Chitwan, Nepal in 1984.

**Awards:** Mahendra Vidhya Bhusan 'Ga' (1987) by Ministry of Education, Government of Nepal. Mahendra Vidhya Bhusan 'Ka' (2000) by Ministry of Education, Government of Nepal.

**Expertise:** Diagnosis and Management of Plant Diseases. Mycotoxin Analysis in Foods and Feeds. Sample Collection, Processing and Analysis of Aflatoxin, Fumonisin. Mushroom Production, Especially *Pleurotus sajorcaju* (Kannechyu).

**Professional Affiliation:** Academician, Nepal Academy of Science and Technology, Khumaltar, Lalitpur. Professor (Retired), Institute of Agriculture and Animal Science, TU, Kirtipur, Kathmandu. Member, Nepal Development Research Institute (NDRI), Pulchok, Lalitpur.

**Correspondence:** **Mailing Address:** Tokha-9, Jalbinayak Chok, Gongabu, Kathmandu, Nepal. **Phone number/Cell:** 014364452/9849160824. **E-mail:** kcgopal2014@gmail.com



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**260. Gopal Panta (M; 1981; Sankhuwasabha, Nepal)**

**Category:** Health Sciences.

**Current Affiliation:** Laboratory Specialist, Save the Children, Sinamangal, Kathmandu.

**Past Experiences:** Laboratory Specialist, FHI360 Nepal. Laboratory Specialist, AMDA Nepal. Visiting Lecturer, Hope International College.

**Education:** PhD in Health Sciences from University of Canterbury, New Zealand in 2018. MSc in Medical Microbiology from Kathmandu University, Nepal in 2006. BSc in Microbiology from Tribhuvan University, Nepal in 2003.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2019) by President of Nepal.

**Expertise:** Laboratory Sciences. Infectious Diseases. Public Health.

**Correspondence:** **Mailing Address:** Mahalaxmi-7, Lalitpur, Nepal. **Phone number/Cell:** 9841458025. **E-mail:** gopalpanta12@gmail.com



## 261. Gopal Prasad Ghimire (M; 1970; Kaski, Nepal)

**Category:** Biochemistry. Genetic Engineering.

**Current Affiliation:** Associate Professor, Institute of Engineering, TU, Paschimanchal Campus, Pokhara-16, Kaski, Nepal.

**Past Experiences:** Visiting Professor, Sun Moon University, Korea.

**Education:** PhD in Identification of cryptic gene from gene mining of *Streptomyces peucetius* Gene Expression, functional characterization and application from Sun Moon University, Korea in 2009. MSc in Chemistry from TU, Nepal in 1994. BSc in Chemistry and Biology from TU, Nepal in 1992.

**Awards:** Best Poster Award (2007) by KSMB. Best Research Award (2008) by Sun Moon University.

**Expertise:** Routine Combinatorial Biosynthesis Techniques. Genetic Engineering Techniques like Isolation of DNA, PCR, Cloning, Isolation and Purification of Natural Products.

**Professional Affiliation:** Paschimanchal Campus, Institute of Engineering, TU, Lamachour, Pokhara-16, Kaski, Nepal.

**Correspondence:** **Mailing Address:** Pokhara-16, Batulechour, Kaski, Nepal. **Phone number/Cell:** 9856015333. **E-mail:** gopalsunmoon@gmail.com



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## 262. Gopi Chandra Kaphle (M; 1969; Syangja, Nepal)

**Category:** Physics. Material Science.

**Current Affiliation:** Associate Professor, Central Department of Physics, Tribhuvan University, Kirtipur, Kathmandu, Nepal. Vice-President, Research and Policy Center, CMRC, Butwal.

**Past Experiences:** President, Rural Development Forum, Nepal. President, Hydra, Nepal.

**Education:** PhD in Physics-Study of Electronic and Magnetic Properties of Disordered alloys from Tribhuvan University, Nepal in 2014. MSc in Physics-Dipole potential calculations between surface & bulk of metal and vacuum interface from CDP, Tribhuvan University, Nepal in 1994. BSc in Physics, Chemistry, Mathematics from Butwal Multiple Campus, Tribhuvan University, Nepal in 1991.

**Awards:** Best Teacher Award (2006) by Butwal Multiple Campus. Best Teacher Award (2007) by Lumbini Engineering College, Rupandehi. Nepal Vidhya Bhusan (2017) by President of Nepal.

**Expertise:** Condense Matter and Solid State Physics. Computational and Material Sciences. Statistical and Disordered Alloys.

**Professional Affiliation:** Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Butwal-12, Tamnagar, Nepal. **Phone number/Cell:** 014479927/9849000975. **E-mail:** gck223@gmail.com



**263. Gopi Chandra Upreti (M; 1953; Terhathum, Nepal)**

**Category:** Agriculture and Environmental Science.

**Current Affiliation:** Data Scientists, Mantech International Corporation, 13135 Quail Creek Ln, Fairfax, VA 22033.

**Past Experiences:** Chairman, Horticulture Department, Institute of Agriculture & Animal Sciences (IAAS), Tribhuvan University. Chief Public Service Commissioner, Nepal Agriculture Research Council, Campus Chief, Institute of Agriculture & Animal Sciences (IAAS), Tribhuvan University.

**Education:** PhD in Genotype Environment Interaction Study in Coffee from University of Hawaii, USA in 1992. MSc in Inheritance of resistance of Spotted Wilt Virus in Tomato genotypes from University of Hawaii, USA in 1983. BSc in Agriculture (Hons.) from Punjab Agriculture University, Ludhiana, Punjab, India in 1978.

**Awards:** Best Paper Award on Environmental Conservation and Sustainable Development (1994) by International Foundation for Environmental Conservation, Switzerland. Best Teacher Award (1986) by Tribhuvan University. Asian Humanist Award (2002) by International Humanist and Ethical Union (IHEU).

**Expertise:** Agriculture (Sustainable Agriculture Development Organic Agriculture. Tea and Coffee-Horticulture Development). Environmental Conservation and Sustainable Development Design. Data Science-Modeling and Algorithm Development.

**Professional Affiliation:** Society of American Horticultural Sciences, USA. Equality Foundation, Virginia, United States. Data Science, Mantech University, Virginia, United States.

**Correspondence:** **Mailing Address:** Mantech International Corporation, 13135 Quail Creek Ln, Fairfax, VA 22033. **Phone number/Cell:** 316-305-0546. **E-mail:** goupreti@gmail.com



**264. Govind Lamichhane (M; 1964; Dang, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Associate Professor, Pokhara University, Lekhnath-12, Nepal.

**Past Experiences:** Structural Design Reviewer, Pokhara Trade mall. Structural Design Reviewer & Team Leader, Ashwini Medical Hospital, Lalitpur. Teaching Assistant, PhD Fellow, Peoples' Friendship University, Moscow, Russia.

**Education:** PhD in Advance Analysis of crossing sectors of thin shell structure with Super Element Method from Peoples' Friendship University, Moscow, Russian Federation in 2007. MSc in Analysis and design of Sinking well from Peoples' Friendship University, Moscow, Russian Federation in 2003. BSc in Analysis and design of RCC reservoir from Peoples' Friendship University, Moscow, Russian Federation in 2002.

**Awards:** Vidhya Bhusan Padak (2010) by Rastrapati Vawan. Post-Doctorate, France (2010) by University of Lumierie Lyon. Post-Doctorate, Portugal (2015) by University of Porto.

**Expertise:** Structural Analysis Software. Design of Seismic Resistant Shell Structures. Design of Innovative Bridge Structure.

**Professional Affiliation:** Member, Gorkha Developers, Dang.

**Correspondence:** **Mailing Address:** Pokhara University, Lekhnath-12, Nepal. **Phone number/Cell:** 9841053078. **E-mail:** govind@feup.pt



**265. Gyan Bahadur Thapa (M; 1970; Gulmi, Nepal)**

**Category:** Applied Mathematics.

**Current Affiliation:** Professor, Pulchowk Campus, Institute of Engineering, TU, Pulchowk, Lalitpur. Assistant Dean, Institute of Engineering, TU.

**Past Experiences:** Assistant Campus Chief, Pulchowk Campus, IOE, TU (2010-2012). Deputy Director, Center for Pollution Studies, IOE (2014-2015). Assistant Dean, Institute of Engineering, TU.

**Education:** PhD in Mathematics-Operations Research from Tribhuvan University, Nepal in 2012. MSc in Mathematics from Central Department of Mathematics, Tribhuvan University, Nepal in 1995. BSc in Mathematics from Butwal Multiple Campus, Tribhuvan University, Nepal in 1992.

**Awards:** Nepal Bidhya Bhushan (2014) by MOE, Government of Nepal. E-LINK Scholarship, Staffordshire University, UK (2009) by Erasmus Mundus, EU. IDEAS Fellowship, Malardalen University, Sweden (2012) by Erasmus Mundus, EU.

**Expertise:** Applied Mathematics (Optimization). Supply Chain and Logistics. JIT Production Systems.

**Professional Affiliation:** Life Member, Nepal Mathematical Society (NMS). Trusty Member, Mathematical Sciences Trust (MST). Member, International Committee of Several International Conferences.

**Correspondence:** **Mailing Address:** PO Box 19758, Kathmandu, Nepal. **Phone number/cell:** 015203200/9841201935/9851208636. **E-mail:** thapagbt@ioe.edu.np



**266. Gyanendra Ratna Tuladhar (M; 1958; Kathmandu, Nepal)**

**Category:** Tourism Economics. Management Science.

**Current Affiliation:** Lecturer, Consultant, Public Youth Campus, Dhobichaur.

**Past Experiences:** Member Secretary to the Steering Committee and Executive Director, Lumbini Development Trust, Ministry of Culture, Tourism Civil and Civil Aviation, Lumbini Development Trust, 2nd World Buddhist Summit. Coordinator Nepal Tourism Year 2011, Senior Adviser to Nepal Tourism Board and Technical Adviser Tourism Ministry of Culture, Tourism and Civil Aviation, Nepal Tourism Year 2011, Nepal Tourism Board and Ministry of Culture Tourism and Civil Aviation. Culture & Heritage Tourism Specialist, Kathmandu Metropolitan City, Kathmandu.

**Education:** PhD in Tourism-Econometric Modulation of International Tourism Development in the Kingdom Nepal for Sustainable Development-Resources Management, Socio-econometric modulation and Market Promotion from Economic University, KM-Sofia, Bulgaria in 1993. MSc in Tourism-Development of International Tourism in Nepal-Resource Management and Market Promotion from Economic University, VINS-Varna, Bulgaria in 1987. BSc in Tourism-Development of International Tourism in Nepal from Economic University, VINS-Varna, Bulgaria in 1984.

**Awards:** PhD Tourism Economical Science-Merit Award (1993) by The Higher Testimonial Committee-Economics University, Sofia, Bulgaria. Mahendra Vidhya Bhusan (1996) by His Majesty the King Birendra Bir Bikram Shah Dev. Scholarly Honored, Gold Medal (2000) by Shree Degukhyo Guthi.

**Expertise:** Tourism Psychology and Psychology of Social Science. Sustainable Tourism Development. Ecotourism. Village Tourism. Community Tourism Development and Management.

**Professional Affiliation:** Since 2015, Executive Director, Udaaya Samaj, Kathmandu. Since 2013, Ex Board of Director, Kathmandu Upateka Khanepani Limited, KUKL. Since 2010, Faculty Member and Lecturer in Public Youth Campus.

**Correspondence:** **Mailing Address:** 178 Paleswan Marga, Khusibun, Naya Bazaar, Kathmandu-17, Nepal. **Phone number/Cell:** 9841533967. **E-mail:** grtuladhar@gmail.com



**267. Gyaneswor Pokharel (M; 1963; Kaski, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Sr. Geotechnical Engineer, Jacobs Engineering Groups Inc, Morristown, NJ 07960, USA.

**Past Experiences:** Visiting Professor, Purdue University, West Lafayette, IN. Associate Professor, Mountain State University, Beckley, WV, USA. Visiting Faculty, Virginia Tech, Blacksburg, VA.

**Education:** PhD in Civil Engineering from Nagoya University, Nagoya, Japan in 1995. ME in Geotechnical Engineering from AIT, Bangkok, Thailand in 1991. BE in Civil Engineering from IIT Roorkee, University of Roorkee, India in 1988.

**Awards:** Mahendra Vidhya Bhusan (2001) by Government of Nepal. Lifetime Achievement Award (2019) by Nepal Geotechnical Society, Nepal.

**Expertise:** Teaching and Research in Civil and Geotechnical Engineering. Professional Consulting Services in Civil and Geotechnical Engineering. Special Invited Lectures in Civil and Geotechnical Engineering.

**Professional Affiliation:** Life Member, Nepal Engineers' Association. Nepal Geological Society. Indian Geotechnical Society. Founding Member, Nepal Geotechnical Society. Member, ASCE, ISSMGE. Former Member, JSCE, JGS, SEAGS. Licensed Professional Engineer (PE) in USA (NY, VA, MD, CT, FL).

**Correspondence:** **Mailing Address:** 1127 Buckley Way, Morris Plains, NJ 07950, USA. **Phone number/Cell:** 15189657232(USA)/+97714358514(NEP). **E-mail:** GPokharel@Gmail.com



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**268. Hare Ram Shrestha (M; 1961; Gorkha, Nepal)**

**Category:** Environmental Science. Transportation Engineering.

**Current Affiliation:** Executive Director, Sustainable Infrastructure Development Foundation (SIDeF), SIDeF House, 77 Tara Marga, Sinamangal, Kathmandu.

**Past Experiences:** President, Nepal Engineers Association (NEA). President, Society of Consulting Architectural and Engineering Firms (SCAEF) Nepal. Executive Board Member, High Powered Committee for Implementation of Development of Bagmati Civilization .

**Education:** PhD in Developing Sustainability Criteria for Urban Transportation: The Case of Kathmandu Valley from Dr. KN Modi University, Rajasthan, India in 2018. MSc in Hill Road Construction Preserving the Mountain Environment: A Diagnostic Review on Excavation Method from Pokhara University, Nepal in 2003. BE in Civil Engineering from The Institution of Engineers India, India in 1986.

**Expertise:** Infrastructure Specialist: Various professional services as infrastructure consultant for ADB, DFID, NPC/GON, WFP/UN in Nepal and Bhutan. Project Director/Team Leader/Transport Specialist/Planner: For preparation of transport master plans of 16 districts and implementation/construction supervision of dozens of transport and road projects. Bio-engineering Expert/Trainer: Soil-Bioengineering training to 14 batches of Engineers, Overseers and Supervisors of Department of Roads, supported by DFID (then ODA).

**Professional Affiliation:** Fellow Life Member, Nepal Engineers' Association FNEA 1355. Fellow Life Member, The Institution of Engineers (India) FIE 0184337. Member, Nepal Engineering Council 1363 Civil A.

**Correspondence:** **Mailing Address:** Devdole, Balkot, Suryabinayak-3, Bhaktapur, Nepal. **Phone number/Cell:** 9851066908. **E-mail:** hrs@sidef.com.np



## 269. Hari Bahadur KC (M; 1960; Kathmandu, Nepal)

- Category:** Plant Breeding and Genetics.
- Past Experiences:** Senior Technical Officer, Nepal Agriculture Research Council, Kathmandu, Nepal.
- Education:** PhD in Plant Breeding and Genetics from UGSA Ehime University, Japan in 2001. MSc in Plant Breeding and Genetics from Kochi University, Japan in 1998. BSc in Crop Science (Horticulture) from IAAS, Tribhuvan University, Nepal in 1981.
- Awards:** Heiwa Nakajima Fellowship Research Grants (2007 to 2008) by Heiwa Nakajima Foundation, Tokyo, Japan. Netherlands Government Fellowship (NUFFIC) for the International Training Program on Agrobiodiversity, Biotechnology, Plant Breeding and Seed Sector Development (2005) by The Netherlands Government. Yoneyama Memorial Scholarship (1996 to 1998) by Rotary Yoneyama Memorial Foundation Inc, Tokyo, Japan.
- Expertise:** Plant Genetic Resource. Conservation of Food and Agriculture. Seed Science and Technology.
- Professional Affiliation:** Japan University Alumni Association Nepal (JUAAN) Kathmandu, Nepal. Society of Agricultural Scientists (SAS) Nepal. Rotary Yoneyama Scholars Alumni Nepal (RYSAN).
- Correspondence:** **Mailing Address:** Buddhanagar, Kathmandu-10, Nepal. **Phone number/Cell:** +9779841304637. **E-mail:** haribkc@gmail.com



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## 270. Hari Bahadur Rana (M; 1959; Rupandehi, Nepal)

- Category:** Zoology. Parasitology.
- Current Affiliation:** Professor, Institute of Agriculture & Animal Science, TU, Paklihawa, Rupandehi, Nepal.
- Past Experiences:** Professor, IAAS, Paklihawa, Rupandehi, Nepal. Visiting Professor, Chitwan Medical College, Chitwan, Nepal.
- Education:** PhD in Identification of Biomarker & Epidemiological study of Parasitic Zoonoses prevalence in Nepal from Dr. KN Modi University, Newai, Tonk, Rajasthan, India in 2017. MSc in Studies on some Cestode & Trematode Parasites of Birds from Chilhiya Gaon Panchayat Rupandehi, Nepal from Tribhuvan University, Nepal in 1989. BSc in Biology from Gorakhpur University, UP, India in 1983.
- Awards:** Vidhya Bhusan (2019) by Rt. Honorable President Bidhya Devi Bhandari.
- Expertise:** Cysticercosis (*Sus scrofa domesticus*), Protozoan, Molecular & Phylogenetic Analysis of Liver *Amphistome explanatum*, *Gongylonema nepalensis*. Molecular Phylogenetic Identification of *Fasciola* Flukes in Nepal. Nematodes in Fish. Helminth Parasite. *Buxtonella sulcata*.
- Professional Affiliation:** Institute of Agriculture & Animal Science, TU, Paklihawa, Rupandehi, Nepal.
- Correspondence:** **Mailing Address:** IAAS, Paklihawa, Rupandehi, Nepal. **Phone number/Cell:** +9779845597425. **E-mail:** hari\_bahadurrana@hotmail.com



**271. Hari Darshan Shrestha (M; 1962; Dolakha, Nepal)**

**Category:** Disaster Risk Management. Risk Reduction. Engineering.

**Current Affiliation:** Professor, Institute of Engineering, Tribhuvan University, Ananda Niketan, Lalitpur, Nepal.

**Past Experiences:** Global Director, Save The Children USA. Construction Delegate, International Federation of Red Cross. Chief, Institute of Engineering Consultancy Services.

**Education:** PhD in School Lead Community Based Disaster Risk Reduction: Preparedness and Response Models for Developing Nations from Ehime University, Japan in 2015. MSc in Structural Engineering from Leningrad Institute of Civil Engineering, Russian Federation in 1991. BSc in Civil Engineering from Leningrad Institute of Civil Engineering, Russian Federation in 1990.

**Awards:** Bhubaneswor Technology Award (2014) by Nepal Academy of Science and Technology (NAST). Nepal Vidhya Bhusan (2016) by Government of Nepal.

**Expertise:** Disaster Risk Management and Risk Reduction. Structural Engineering. Project Management.

**Professional Affiliation:** Nepal Engineering Council. Federation of Engineers' Institutions of South and Central Asia & Nepal Engineers Association. Disaster Preparedness Network (DPNeT) & NEAR Network (Global).

**Correspondence:** **Mailing Address:** House No 369, Tilingatar, Tokha-7, Kathmandu, Nepal. **Phone number/Cell:** 9841554066. **E-mail:** harisunita@gmail.com



**272. Hari Datta Bhattarai (M; 1974; Kathmandu, Nepal)**

**Category:** Botany.

**Current Affiliation:** Professor, Central Department of Botany, Tribhuvan University, Kirtipur.

**Past Experiences:** Research Director, Research Institute for Bioscience and Biotechnology. Post-Doctoral Researcher, Korea Polar Research Institute, KOPRI, South Korea. Post-Doctoral Researcher, Goettingen University, Germany.

**Education:** PhD in Biology from Soon Chun Hyang University, Korea in 2005. MSc in Botany from Tribhuvan University, Nepal in 2001. BSc in Biology from Tribhuvan University, Nepal in 1996.

**Expertise:** Phytochemistry. Tissue Culture. Microbiology.

**Professional Affiliation:** Nepal Biotechnology Association. Botanical Society of Nepal.

**Correspondence:** **Mailing Address:** Central Department of Botany, TU, Kirtipur. **Phone number/Cell:** 9851172031. **E-mail:** haridatta30@hotmail.com



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**273. Hari Datta Khanal (M; 1980; Tanahu, Nepal)**

**Category:** Chemical Engineering.

**Current Affiliation:** International Research Professor, Yeungnam University, Gyeongbuk 38541, Republic of Korea.

**Past Experiences:** Post-Doctor, School of Chemical Engineering, Yeungnam University, Republic of Korea. Chemistry Lecturer, Canvas International College, Basundhara, Kathmandu, Nepal. Chemistry Lecturer, St. Lawrence College, Chabhil, Kathmandu, Nepal.

**Education:** PhD in Organic Material Synthesis from Yeungnam University, Korea in 2017. MSc in Chemistry from Tribhuvan University, Nepal in 2004. BSc from Prithvi Narayan College, TU, Nepal in 2002.

**Awards:** BK21 (Brain Korea-21) Scholarship (2014) by Brain Korea.

**Expertise:** Synthetic Organic Chemistry. Heterocycle Synthesis. Diazo Compounds.

**Professional Affiliation:** School of Chemical Engineering, Yeungnam University, Republic of Korea.

**Correspondence:** **Mailing Address:** School of Chemical Engineering, #313, 280 Daehak-Ro, Gyeongsan, Gyeongbuk 38541, Republic of Korea. **Phone number/Cell:** 01025549851. **E-mail:** haridatta@gmail.com



**274. Hari Har Khanal (M; 1961; Kathmandu, Nepal)**

**Category:** Medicine. Cardiology.

**Current Affiliation:** Senior Consultant Cardiologist, Bir hospital, Mahabauddha Kathmandu, Nepal.

**Past Experiences:** Senior Consultant Cardiologist, Bir hospital. Consultant Cardiologist, Bir Hospital. Medical Officer, Baglung Hospital.

**Education:** PhD in Malignant Arrhythmia after myocardial infarction from Kharkiv Medical University, Kharkiv, Ukraine in 2000. Doctor of Medicine in myocardial infarction and arrhythmia from Institute of Therapy, Kharkiv, Ukraine in 2000. MD equivalent to MBBS from Kharkov Medical Institute, Ukraine in 1991.

**Awards:** Mahendra Vidhya Bhusan 'Ka' (2004) by King Gyanendra. Mahendra Vidhya Bhusan 'Kha' (2004) by King Gyanendra. Mrigendra Samjhana award as a Best Doctor in Medical Department (2006) by Prime Minister.

**Expertise:** Cardiology. Medicine.

**Professional Affiliation:** Consultant Cardiologist, Blue Cross Hospital. Consultant Cardiologist, Kathmandu Heart Clinic, Tebahal. Consultant Cardiologist, Lalitpur Heart Clinic.

**Correspondence:** **Mailing Address:** Lik Marga 456, Kuleshwor, Kathmandu, Nepal. **Phone number/Cell:** 014301503/+9779851099500, **E-mail:** harikhanal@yahoo.com



**275. Hari Krishna Shrestha (M; 1960; Lalitpur, Nepal)**

- Category:** Hydrology. Civil Engineering.
- Current Affiliation:** Principal, Nepal Engineering College, Nec Marg, Besi Gaun, Changunarayan-4, Bhaktapur.
- Past Experiences:** Staff Hydrologist, Geoscience Consultants Limited, Albuquerque, USA. Civil Overseer, Department of Hydrology and Meteorology, Nepal.
- Education:** PhD in Landslide Hydrology-Analysis of Hydrological Factors at Landslide Sites and Integration of Groundwater Flow Model with Slope Stability Analysis Methods from Ehime University, Japan in 2006. MSc in Hydrology from New Mexico Institute of Mining and Technology, United States in 1993. BSc in Hydrology from Tarleton State University, United States in 1990.
- Awards:** Kyoritsu International Scholarship (2004) by Kyoritsu Foundation, Tokyo, Japan. World Meteorological Organization Fellow (1987) by World Meteorological Organization, Geneva.
- Expertise:** Surface Water Hydrology. Groundwater Modeling. Disaster Risk Management.
- Professional Affiliation:** Nepal Engineering College, Changunarayan-4, Bhaktapur. Hydro Knowledge System, Sitako Tol, Lalitpur-3, Nepal. Nepal Engineering Council, Kathmandu.
- Correspondence:** **Mailing Address:** Nec Marg, Besi Gaun, Changunarayan-4, Bhaktapur, Nepal. **Phone number/Cell:** 9851006010. **E-mail:** hari.k.shrestha@gmail.com



## 276. Hari Kumar Shrestha (M; 1961; Gorkha, Nepal)



- Category:** Agriculture. Seed Science and Technology. Agronomy. Horticulture. Genetic Engineering. Genetically Modified Organism (GMO).
- Current Affiliation:** Seed System Officer, International Maize and Wheat Improvement Centre (CIMMYT), First Floor, Agri. Botany Division, NARC Research Station, Khumaltar, Lalitpur.
- Past Experiences:** Seed Expert (Consultant), Seed Entrepreneurs Association of Nepal, Kathmandu, Nepal. Post-Doc (GMO Specialist), Department of Agronomy, National Taiwan University, Taipei, Taiwan. Seed Development Officer, Seed Quality Control Centre (SQCC), Ministry of Agricultural Development (MoAD).
- Education:** PhD in Development of Genetically Modified (GM) Maize (*Zea mays* L.) Detection Methods and Monitoring GM maize in Nepal from Department of Agronomy, National Taiwan University, Taiwan in 2010. MSc in Effect of seed storage and imbibition damage on the seed quality of radish (*Raphanus sativus* Linn.) and onion (*Allium cepa* Linn.) from University of Aberdeen, United Kingdom in 2000. BSc in Agronomy-Seed Technology, and Farming System and Farming Research Methodology from Institute of Agriculture and Animal Science, Tribhuvan University, Nepal in 1992.
- Awards:** National Taiwan University International Degree Student Merit Based Outstanding Scholarship Award (2006/2007-2009/2010) by National Taiwan University (NTU), Taipei, Taiwan. Ministry of Education Merit Based Scholarship (Taiwan) award (2005/2006) by Ministry of Education through NTU, Taipei, Taiwan. The UK Department for International Development (DFID) Scholarship for MSc Study (1999-2000) by DFID-Seed Sector Support Project (SSSP), Kathmandu, Nepal.
- Expertise:** Development of Seed Policy. Regulations and Seed Related Directives/Guidelines. Seed Sampling Techniques. Seed Testing. Seed Certification. Appointment of Crop Inspector. Seed Sampler and Seed Analyst. Seed Entrepreneurs' Registration and Monitoring. Laboratory Registration and Working Procedures. Seed Destroying. Seed Compensation. Seed Registration. Hybrid Seed Production And Certification. Sourcing of Germplasm. Market Ready Product for Testing, Screening, Validation and Registration of New Open Pollinated, Hybrid, Bio-Fortified Varieties. Varietal and Seed Production Demonstration. Certification, Truthful Labelling. Quality Control. Capacity Development. Market Promotion. Seed Database Management. Genetic Engineering And Modified Technology. Development of Transgenic Plants Using Agrobacterium, Bombardment and In-Planta Transformation. Genetically Modified Organism (GMO) Analysing and Tools Development. Genetic Purity Assessment Using Molecular Marker Systems. PCR Primer Designing, Method Development. In-Lab Validation. Dna Extraction, Purification and Quantification. GMO Detection and Quantification. Cloning of DNA.
- Professional Affiliation:** International Maize and Wheat Improvement Centre (CIMMYT), Agriculture Botany Division, NARC Research Station, Khumaltar, Lalitpur. Seed Entrepreneurs' Association of Nepal (SEAN), Kalanki, Kathmandu. Seed Quality Control Centre (SQCC), Ministry of Agricultural and Livestock Development, Harihar Bhawan, Lalitpur.
- Correspondence:** **Mailing Address:** Nagarjun-10 (House #: 10-17-55) Syuchatar, Kathmandu, Nepal. **Phone number/Cell:** +97715198189/9843017893. **E-mail:** harikumar.hk@gmail.com

**277. Hari Paudyal (M; 1979; Rupandehi, Nepal)**

**Category:** Chemical Engineering.

**Current Affiliation:** Assistant Professor, Tribhuvan University, Central Department of Chemistry, TU, Kirtipur.

**Past Experiences:** Post Doctoral Researcher (2014-2015), Memorial University of Newfoundland, Canada. Post-Doctoral Researcher (2012-2014), Saga University, Japan. Research Fellow (2008-2009), Saga University, Japan.

**Education:** PhD in Material Science-Separation Science from Saga University, Japan in 2012. MSc in Physical Chemistry from Tribhuvan University, Nepal in 2007. BSc in Chemistry from Butwal Multiple Campus, Butwal, Nepal in 2002.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2018) by Nepalese Government. Doctor of Philosophy (2012) by Saga, University. Best Presentation Award (2010) by Japan Society of Water Environment.

**Expertise:** Material Engineering. Separation Science. Precious Metal Recovery.

**Professional Affiliation:** Chemical Society of Japan, Japan. Nepal Chemical Society, Nepal.

**Correspondence:** **Mailing Address:** Kathmandu-14, Kalanki, Nepal. **Phone number/Cell:** 9813107915. **E-mail:** haripaudyal9@gmail.com



**278. Hari Prasad Aryal (M; 1960; Morang, Nepal)**

**Category:** Botany.

**Current Affiliation:** Associate Professor, Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu.

**Past Experiences:** Associate Professor, Central Department of Botany, Tribhuvan University. Assistant Professor, Paklihawa and Bhairahawa Multiple Campus, Institute of Agriculture & Animal Science, Tribhuvan University. Teaching Assistant, Paklihawa Campus, Institute of Agriculture & Animal Science, Tribhuvan University.

**Education:** PhD in Mycology-*Termitomyces* R. Heim (Tricholomataceae) in Nepal: Diversity, Nutrients and Growth from Tribhuvan University, Nepal in 2015. MSc in Botany (Plant Ecology) from Tribhuvan University, Nepal in 1994. BSc in Biology (Botany) from Tribhuvan University, Nepal in 1991.

**Awards:** PhD Fellowship (2010-2013) by Nepal Academy of Science & Technology. Nabil Science & Technology (2016) by Nepal Academy of Science & Technology. Nepal Vidhya Bhusan Padak (A grade) (2017) by President of Republic of Nepal.

**Expertise:** Principal Investigator in Research Projects. Conservation and Sustainable Utilization of Plant Resources as well as Strengthening the Scientific Capacities of Nepalese Botanist. Teaching. Research. Mycology and Plant Pathology. Systematic of Termitophilous Fungi. Mushroom Culture. Ethnomycology. Medicinal Fungi. Fungal Secondary Metabolites.

**Professional Affiliation:** Life Member, Mycological Society of India. Life Member, Botanical Society of Nepal, Central Department of Botany, TU. Life Member, Nepal Biological Society, Post Graduate Campus, Biratnagar, Nepal.

**Correspondence:** **Mailing Address:** Central Department of Botany, Kirtipur, TU, Nepal. **Phone number/Cell:** 01-4331322/4333515/9847021250. **E-mail:** hahariprasadaryal06@gmail.com, hp.aryal@cdbtu.edu.np



### 279. Hari Prasad Bimb (M; 1950; Lalitpur, Nepal)

- Category:** Genetics of Disease Resistance in Plants. Molecular Biology.
- Past Experiences:** Senior Scientist-4, Nepal Agricultural Research Council. Managing Editor, SAS Journal.
- Education:** PhD in Genetics-Genetics of yellow rust resistance in wheat plants from University of East Anglia, John Innes Centre, United Kingdom in 1996. MSc in Agriculture (Plant Pathology)-Effect of VAM in groundnut nutrition from Sukhadia University, Udaipur, Rajasthan, India in 1986. BSc in Agriculture and Animal Husbandary from Pant University of Agricultural Sciences and Technology, Pant Nagar, Nainital, India in 1973.
- Awards:** Mahendra Vidhya Bhusan 'Ka' (1997) by Ministry of Education, Nepal.
- Expertise:** Plant Disease Diagnosis Techniques and Management Methods. Molecular Laboratory Techniques. Genetic Analysis of Molecular Data.
- Professional Affiliation:** Society of Agricultural Scientists, Nepal. Biotechnology Society of Nepal. Plant Pathology Society Journal, UK.
- Correspondence:** **Mailing Address:** United Colony, Changathali, Mahalaxmi-8, Lalitpur, Nepal. **Phone number/Cell:** 9843329135. **E-mail:** bimbhp49@gmail.com



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### 280. Hari Prasad Neopane (M; 1975; Arghakhanchi, Nepal)

- Category:** Engineering.
- Current Affiliation:** Professor, Kathmandu University, Dhulikhel, Kavre, Nepal.
- Past Experiences:** Associate Professor, Kathmandu University. Assistant Professor, Kathmandu University. Lecturer, Kathmandu University.
- Education:** PhD in Mechanical Engineering-Sediment Erosion in Hydro Turbines from Norwegian University of Science and Technology (NTNU), Norway in 2010. ME in Mechanical Engineering from Kathmandu University, Nepal in 2001. BTech in Mechanical Engineering from NIT Warangal (Formerly REC Warangal), India in 2000.
- Awards:** Education Award (Shikshya Puraskar) (2015) by Government of Nepal. Young Scientist Award (2014) by Nepal Academy of Science and Technology (NAST). Nepal Vidhya Bhusan 'Ka' and King Mahendra Vidhya Bhusan Education Medal 'Kha' (2012 and 2003) by Rt. Honorable President of Nepal and late King of Nepal.
- Expertise:** Sediment Erosion in Hydro Power Plants. Design of Hydro Turbines and Pumps. Fluids Engineering, Turbo Machinery and CFD.
- Professional Affiliation:** General Registered Engineer (4756, Mechanical 'A' Category), Nepal Engineering Council (NEC). Life Member, Nepal Engineers Association (NEA) (4865, Mechanical). Life Member & Past EC Member, Nepal Hydropower Association (NHA).
- Correspondence:** **Mailing Address:** PO Box 6250, Kathmandu, Nepal. **Phone number/Cell:** +97711415100/9841283642. **E-mail:** hneopane@gmail.com, hari@ku.edu.np



**281. Harihar Paudyal (M; 1968; Chitwan, Nepal)**

**Category:** Physics, Seismology.

**Current Affiliation:** Professor, Department of Physics, Birendra Multiple Campus, Tribhuvan University, Bharatpur, Chitwan.

**Past Experiences:** Assistant Professor of Physics, Tribhuvan University. Associate Professor of Physics, Tribhuvan University.

**Education:** PhD in Seismology-Seismicity and Seismotectonics of Nepal and its Adjoining Regions from Department of Geophysics, Banaras Hindu University, India in 2008. MSc in Physics-Relative Strength of Some Major and Great Earthquakes Occurred in the Himalaya, Tibet and Burma from Central Department of Physics, Tribhuvan University, Nepal in 1993. BSc in Physics from Tri-Chandra Campus, Tribhuvan University, Nepal in 1990.

**Awards:** Nepal Vidhya Bhusan (2066 BS) by Ministry of Education, Nepal. Full fellowship for PhD. Research (2062-2065 BS) by University Grant Commission, Nepal. Junior Associate (1997-2000 and 2004-2010 AD) by The Abdus Salam International Centre of Theoretical Physics (AS-ICTP), Trieste, Italy.

**Expertise:** Earthquakes of Himalaya. Teaching Physics for BSc and MSc for last 27 years. Publication (more than 25 papers).

**Professional Affiliation:** Nepal Physical Society, Nepal.

**Correspondence:** **Mailing Address:** Sachet Marga, Pramangi Tole, Bharatpur-10, Chitwan, Nepal. **Phone number/Cell:** 9855065870. **E-mail:** hariharpaudyal@gmail.com



## 282. Hem Raj Paneru (M; 1979; Dadeldhura, Nepal)

**Category:** Critical Care Medicine.

**Current Affiliation:** Lecturer/Intensivist, Maharajgunj Medical Campus, TU Teaching Hospital, Maharajgunj, Kathmandu.

**Past Experiences:** Lecturer, Maharajgunj Medical Campus, Tribhuvan University Teaching Hospital. Consultant Intensivist, Grande International Hospital, Kathmandu, Nepal.

**Education:** DM in Critical Care Medicine from Maharajgunj Medical Campus, Tribhuvan University, Nepal in 2017. Doctor of Medicine in Anesthesiology from National Academy of Medical Sciences (NAMS), Nepal in 2012. Bachelor of Medicine and Bachelor of Surgery in Medicine from Maharajgunj Medical Campus, Tribhuvan University, Nepal in 2005.

**Awards:** MD Anesthesiology (2012) by National Academy of Medical Sciences. DM Critical Care Medicine (2017) by Tribhuvan University.

**Expertise:** Anesthesiology. Critical Care Medicine.

**Professional Affiliation:** Lecturer, Department of Anesthesiology, Maharajgunj Medical Campus, Kathmandu, Nepal. Consultant Intensivist & Coordinator of Critical Care Services, Hospital for Advanced Medicine and Surgery, Dhumbbarahi, Kathmandu, Nepal. General Secretary, Nepalese Society of Critical Care Medicine (NSCCM).

**Correspondence:** **Mailing Address:** Intensive Care Unit (ICU), TU Teaching Hospital, Maharajgunj, Kathmandu, Nepal. **Phone number/Cell:** 9851205051. **E-mail:** hem.paneru@gmail.com.



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## 283. Hem Raj Pant (M; 1972; Doti, Nepal)

**Category:** Nanotechnology.

**Current Affiliation:** Professor, Institute of Engineering, Tribhuvan University, Pulchowk, Lalitpur.

**Past Experiences:** Research Professor, Chonbuk National University, South Korea. Research Consultant, King Abhualla University of Science and Technology (KAUST) Saudi Arab. Chemist, Herbs Production and Processing Company Ltd, Koteshowr, Nepal.

**Education:** PhD in Bionano system Engineering from Chonbuk National University, Republic of Korea in 2011. MSc in Chemistry from Tribhuvan University, Nepal in 1995. BSc in Chemistry from Tribhuvan University, Nepal in 1993.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2014) by Nepal Government. Technology Award (2018) by NAST.

**Expertise:** Nanotechnology. Biomaterials. Polymer Science.

**Professional Affiliation:** Member of American Chemical Society. Member of IEEE. Member of Korean Polymer Society.

**Correspondence:** **Mailing Address:** Department of Applied Sciences and Chemical Engineering, IOE, Tribhuvan University, Nepal. **Phone number/Cell:** 9851178292. **E-mail:** hempant@ioe.edu.np



**284. Hem Raj Sharma (M; 1972; Baglung, Nepal)**

**Category:** Physics.

**Current Affiliation:** Senior Lecturer, Department of Physics, The University of Liverpool, Liverpool, UK.

**Past Experiences:** Senior Researcher, National Institute for Material Science, Tsukuba, Japan (2005-2007). JST/JPSPS Post-Doctoral Fellow, National Institute for Material Science, Tsukuba, Japan (2002-2005).

**Education:** PhD in Structure, Morphology, and Dynamics of Quasicrystal Surfaces from Free University Berlin, Germany in 2002. Postgraduate Diploma in Condensed Matter Physics from International Centre for Theoretical Physics (ICTP), Italy in 1999. MSc in Physics from Tribhuvan University, Nepal in 1997.

**Awards:** Nepal Bhushan 'Kha' Gold Medal for Best MSc in Physics in TU (2016) by President of Nepal. EPSRC Advanced Fellowship (2006) by Engineering and Physical Sciences Research Council (EPSRC), UK. Fellow of The Higher Education Academy (2017) by UK Professional Standards Framework for teaching and learning support in Higher Education.

**Expertise:** Surface and Nanophysics. Catalysts. Microscopic and Diffraction Techniques.

**Professional Affiliation:** Executive Member, The Thin Films and Surfaces Group, The Institute of Physics, 2018-2022.

**Correspondence:** **Mailing Address:** Department of Physics, The University of Liverpool, Liverpool L69 3BX, UK. **Phone number/Cell:** 01517943873. **E-mail:** h.r.sharma@liv.ac.uk



**285. Hem Sagar Baral (M; 1967; Kathmandu, Nepal)**

- Category:** Biodiversity. Conservation Ecology. Species and Landscape Conservation. Red List of Species. Ecosystems. Environment.
- Current Affiliation:** Country Representative, Zoological Society of London, Zoological Society of London Nepal Office, Gulaf Marg, Bishalnagar Road, Kathmandu.
- Past Experiences:** Chief Technical Adviser, Himalayan Nature. Chief Executive Officer, Bird Conservation Nepal.
- Education:** PhD in Community Structure and Habitat Association of Grassland Birds of Lowland Nepal from University of Amsterdam, Netherlands in 2001. MSc in Status, distribution and habitat preference of Swamp Francolin *Francolinus gularis* in Nepal from Tribhuvan University, Nepal in 1995. BSc in Geological Studies of Malekhu Area from Tribhuvan University, Tri-Chandra College, Nepal in 1992.
- Awards:** TWAS Award (2006) by NAST. Whitley Award (2005) by Whitley Fund for Nature. Partnership Award (2004) by BirdLife International.
- Expertise:** Biodiversity Conservation. Species and Landscape Ecology and Restoration. Protected Area Management. Environmental Conservation. Nature-Based Tourism Creation, Marketing, Management. EIA. Project Evaluation.
- Professional Affiliation:** Associate Professor (Adjunct), School of Environmental Sciences, Charles Sturt University, Australia. Member, Institute for Land, Water and Society, Charles Sturt University, Australia. Visiting Faculty Member, Central Department of Environmental Sciences, TU.
- Correspondence:** **Mailing Address:** PO Box 10918, Kathmandu, Nepal. **Phone number/Cell:** 9851019751. **E-mail:** hem.baral@gmail.com.



**286. Hemchandra Chaulagain (M; 1977; Jhapa, Nepal)**

**Category:** Civil Engineering. Structural Engineering.

**Current Affiliation:** Assistant Professor, Program Coordinator of Pokhara University, Pokhara-30, Kaski.

**Past Experiences:** Research Coordinator, Assistant Professor, Oxford College of Engineering and Management, Gaidakot, Nawalparasi. Lecturer in Civil Engineering, Khwopa Engineering College, Libali, Bhaktapur. Assistant Instructor, Madan Bhandari Memorial Academy Nepal, Umlabari, Morang, Nepal.

**Education:** PhD in Civil Engineering-Seismic Assessment and Retrofitting of Existing RC buildings in Nepal from University of Aveiro, Aveiro, in 2014. ME in Earthquake-Assessment of Response Reduction Factor of RC Buildings in Kathmandu Valley using Non-linear Pushover Analysis from Khwopa Engineering College, Bhaktapur, Nepal in 2010. BE in Civil Engineering from Eastern College of Engineering, Purbanchal University, Biratnagar, Nepal in 2007.

**Awards:** Nepal Vidhya Bhusan (2015) by Ministry of Education, Government of Nepal. Erasmus Mundus PhD Fellowship (2011) by European Union (EU). Consolation Prize (1994) by Ministry of Education, Government of Nepal.

**Expertise:** Seismic Hazard Assessment. Seismic Assessment and Retrofitting of Structures. Risk Assessment. Seismic Risk Assessment.

**Professional Affiliation:** Life Member, Nepal Engineers' Association.

**Correspondence:** **Mailing Address:** Pokhara-30, Kaski, Nepal. **Phone number/Cell:** 061504141/9842026802. **E-mail:** hchaulagain@gmail.com



**287. Hemprabha Pandey (F; 1973; Kathmandu, Nepal)**

**Category:** Social Science.

**Current Affiliation:** Social Safeguard Specialist, AIIB Project, Budhanilkantha-7, Kathmandu.

**Past Experiences:** Social Safeguard Specialist, High Mountain Livelihood Improvement (HIMALI) Project-ADB. Individual Consultant, World Vision International, Nepal, Executive Chair Person, Hallmark Consultant Pvt Ltd.

**Education:** PhD in Agriculture Development and Symbiotic Society from Tokyo University of Agriculture and Technology, Japan in 2012. MA in Tourism Development in Nepal from Tribhuvan University, Nepal in 1996. BA in Economics from Tribhuvan University, Nepal in 1993.

**Awards:** Nepal Vidhya Bhusan (2013) by Government of Nepal. Japan Student Services Organization (JASSO) scholarship (2009) by Japanese Student Association. Merit Scholarships (1989) by Birendra Multiple Campus, Bharatpur, Chitwan.

**Expertise:** Social Safeguard Specialist. GESI Specialist. Agribusiness Planning Specialist.

**Professional Affiliation:** AIIB Project Under DUDBC, Kathmandu, Nepal (DUDBC/CS/AIIB/QCBS-013/ICB/2018). High Mountain Agribusiness and Livelihood Improvement (HIMALI) Project under Agro-Enterprise Centre, FNCCI, Kathmandu, Nepal (ADB Project # 37292-012). Department of Regional and Environmental Science, Ibaraki University, Japan.

**Correspondence:** **Mailing Address:** Budhanilkantha-7, Kathmandu, Nepal. **Phone number/Cell:** 014379305/9849951855. **E-mail:** pranamu4@gmail.com



**288. Hemu Kharel Kafle (F; 1975; Rupandehi, Nepal)**

**Category:** Earth and Environmental Science.

**Current Affiliation:** Scientist, Director of Research, Kathmandu Institute of Applied Sciences, Bagdol, Lalitpur, Nepal.

**Past Experiences:** Senior Scientific Officer, Nepal Academy of Science and Technology, Research Fellow, Nepal Academy of Science and Technology. Post-Doctoral Fellow, Weizmann Institute of Science, Israel.

**Education:** PhD in Remote Sensing, Surface heat Fluxes using ASTER satellite in heterogeneous areas from Nagoya University, Japan in 2009. MSc in Drought and Desertification of Israel using United Nations Convention to Combat Desertification from Ben-Gurion University, Israel in 2005. BSc in Physics, Mathematics and Statistics from Tri-Chandra Campus, Tribhuvan University, Nepal in 1999.

**Awards:** Early Career Women Scientist Fellowship (2018) by Organization of Women Scientist in Developing World. Young Scientist Award (2014) by The World Academy of Sciences. Vidhya Bhusan 'Ka' (2012) by Government of Nepal.

**Expertise:** Assessment and Monitoring of Drought using Satellite Data Sets. Assessing the Impact of Air Pollution on Soil and Crop of Kathmandu Valley. Development of Low Cost Mobile Weather Station.

**Professional Affiliation:** Member, Society of Hydrology and Meteorology, Nepal. Member, Organization of Women Scientist in a Developing World, Italy. Member, International Association of Hydrological Sciences, United Kingdom.

**Correspondence:** **Mailing Address:** Metro Apartment-6E, Kuleshowr-14, Kathmandu, Nepal. **Phone number/Cell:** 9851168762. **E-mail:** hemukafle@gmail.com



**289. Him Lal Ghimire (M; 1967; Gorkha, Nepal)**

**Category:** Statistics. Tourism. Education.

**Current Affiliation:** Professor, Founder, Board of Director, REHDON College (Affiliated with Tribhuvan University), Samakhushi, Kathmandu, Nepal.

**Past Experiences:** Visiting Professor, Nanzan Institute for Religion and Culture, Nanzan University, Nagoya, Japan. Director/Vice-Principal, Ullens IB World School. Nepal, Tourism Consultant, UNESCO Kathmandu.

**Education:** PhD in Pilgrimage Tourism, Special Focus on Lumbini from Tribhuvan University, Nepal in 2013. MSc in Leadership for Educational Change from Bank Street College of Education, United States in 2007. BSc in Physics, Statistics, Mathematics from Tribhuvan University, Nepal in 1991.

**Awards:** Prawal Janasewa Shree (2016) by The Government of Nepal. Nepal Vidhya Bhusan (2015) by The Government of Nepal. Post-Doctoral Fellowship (2016) by The Japan Foundation.

**Expertise:** Tourism Expert. Writing. Planning. Training. Educationist (Established, Worked in Various Academic Institutions for more than 32 years). Writing Journals, Book.

**Professional Affiliation:** Principal, Swostishree Gurukul, Sanobharyang, Kathmandu, Nepal. Professor, Founder, Board of Director, REHDON College (Affiliated with Tribhuvan University), Kathmandu, Nepal. Visiting Professor, Nanzan Institute for Religion and Culture, Nanzan University, Nagoya, Japan.

**Correspondence:** **Mailing Address:** Orshid Colony, Kalanki, Kathmandu, Nepal. **Phone number/Cell:** 9851103523. **E-mail:** himghimire@gmail.com



**290. Him Lal Shrestha (M; 1973; Gorkha, Nepal)**

**Category:** Environment Science.

**Current Affiliation:** Associate Professor, Kathmandu Forestry College, Kotewshor, Kathmandu, Nepal.

**Past Experiences:** Mountain Restoration Specialist, Ministry of Population and Environment. Remote Sensing Analyst, International Centre for Integrated Mountain Development.

**Education:** PhD in Carbon Stocks Under Different Forest Management Regimes: Implications for Livelihood and Climate Change Mitigation in Nepal from Kathmandu University, Nepal in 2015. MSc in Comparison of Different Scale Satellite Data for Timber Volume Estimation from ITC, University of Twente, Netherlands in 2003. BSc in Forestry from IOF, Tribhuvan University, Nepal in 2000.

**Awards:** Nepal Vidhya Bhusan (2017) by Ministry of Education, Government of Nepal.

**Expertise:** GIS. Remote Sensing. Database. Climate Change. Land Use, Vulnerability. Environment. Watershed. Forestry. Wildlife and Forest Management.

**Professional Affiliation:** Nepal Remote Sensing and Photogrammetric Society (NRSPS). Nepalese Foresters' Association (NFA). Bird Conservation Nepal (BCN).

**Correspondence:** **Mailing Address:** Suryabinayak-5, Bhaktapur, Nepal. **Phone number/Cell:** 9841302139. **E-mail:** hlshrestha@gmail.com



**291. Himal Luitel (M; 1979; Syangja, Nepal)**

**Category:** Molecular Biology. Biotechnology.

**Current Affiliation:** Assistant Professor, Center for Biotechnology, Agriculture and Forestry University, Bharatpur-15, Chitwan.

**Past Experiences:** Assistant Professor, Center for Biotechnology, Agriculture and Forestry University. Research Scientist, Center for Biotechnology, Agriculture and Forestry University. Post-Doctoral Fellow, Justus-Liebig University, Giessen, Germany.

**Education:** PhD in Molecular Biology-Mast Cells in Pressure Overload Induced Right Ventricular Hypertrophy from Justus-Liebig University Giessen, Germany in 2013. MSc in Molecular Biology-Isolation and Characterization of Stx1 and Stx2 Genes from Haemorrhagic *Escherichia coli* from Katholieke University, Leuven, Belgium in 2008. Bachelor of Veterinary Science and Animal Husbandry-Seroprevalence of EHEC in Slaughtered Goat and Buffalo in Chitwan, Nepal from Institute of Agriculture and Animal Science, Tribhuvan University, Nepal in 2003.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2016) by Government of Nepal. VLIR Scholarship (2006) by Flamish Government, Belgium. MBML Scholarship (2008) by Molecular Biology and Medicine of the Lungs Graduate Program, Germany.

**Expertise:** Molecular Biology and Biotechnology (Animal Biotech). Livestock and Poultry Diseases. Laboratory Animal Experiments.

**Professional Affiliation:** Center for Biotechnology, Agriculture and Forestry University, Rampur, Chitwan, Nepal.

**Correspondence:** **Mailing Address:** Bharatpur-15, Chitwan, Nepal. **Phone number/Cell:** 9855051156. **E-mail:** hluitel@afu.edu.np



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**292. Hom Bahadur Baniya (M; 1974; Gorkha, Nepal)**

**Category:** Physics.

**Current Affiliation:** Assistant Professor, Tri-Chandra College Ghantaghar, TU, Kathmandu, Nepal.

**Past Experiences:** Lecturer (Part Time), Amrit Science College, Senior Lecturer, Kathmandu Engineering College.

**Education:** PhD in Plasma Physics from Kathmandu University, Nepal in 2017. MSc in Physics from Tribhuvan University, Nepal in 1998. BSc in Physics from Tribhuvan University, Nepal in 1996.

**Awards:** PhD Fellowship (2017) by NAST. MPhil Fellowship (2015) by UGC.

**Expertise:** Plasma Physics and Advanced Solid State Physics.

**Professional Affiliation:** Tri-Chandra College, TU, Ghantaghar, Kathmandu.

**Correspondence:** **Mailing Address:** Tri-Chandra College, Department of Physics, Ghantaghar, Kathmandu. **Phone number/Cell:** 9851067973. **E-mail:** hombaniya@gmail.com



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**293. Hom Bahadur Basnet (M; 1963; Gorkha, Nepal)**

**Category:** Veterinary Microbiology.

**Current Affiliation:** Professor, Agriculture and Forestry University, Department of Veterinary Microbiology and Parasitology, Faculty of Animal Science Veterinary Science and Fisheries, AFU, Rampur, Chitwan, Nepal.

**Past Experiences:** Veterinary Officer, District Livestock Service Office, Birjung and Dailekh, Master Trainer (Veterinary and Livestock), Rural Development Center, United Mission to Nepal, Pokhara. Academic Director (BVSc and AH Program and BSc Ag Program), Nepal Polytechnic Institute, Purbanchal University, Bhojad, Chitwan.

**Education:** PhD (Master cum PhD) in Veterinary Microbiology (Avian Diseases) from Seoul National University, Republic of Korea in 2006. BVSc and AH (Bachelor of Veterinary Science and Animal Husbandry) in Veterinary Science from Andhra Pradesh Agriculture University, India in 1990.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2008) by Government of Nepal. Microbiology, Immunology and Avian diseases (MIA) Scholarship (3 times): Outstanding Student Award of College of Veterinary Medicine (Microbiology) (2003, 2004, 2005) by Seoul National University, South Korea. Best Rotarian Award (2008/09) by Rotary Club of Chitwan.

**Expertise:** Microbiology. Veterinary Science. Social Mobilization. Positive Thinking. Counselling. Training of Trainers.

**Professional Affiliation:** Professor and Head Veterinary Microbiology and Parasitology Department, Agriculture and Forestry University. Chairman, Kalyan Breeding and Research Farm, Chitwan, Nepal. Registered Member, Nepal Veterinary Council.

**Correspondence:** **Mailing Address:** Department of Veterinary Microbiology and Parasitology, Agriculture and Forestry University, Rampur, Chitwan, Nepal. **Phone number/Cell:** 9855059268. **E-mail:** hombasnet@gmail.com



**294. Hom Nath Luitel (M; 1979; Sindhuli, Nepal)**

**Category:** Chemistry. Industrial Chemistry.

**Current Affiliation:** Part Time Teacher, Amrit Science Campus, Lainchour, Kathmandu.

**Past Experiences:** Researcher, Toyota Research and Development Center, Nagoya, Japan, Senior Researcher, Shinwa Biso Company, Osaka, Japan. Post-Doctoral Researcher, Saga University, Japan.

**Education:** PhD in Chemistry-Long Persistent Phosphor and its Applications in Industries from Saga University, Japan in 2010. MSc in Organic Chemistry, Extraction and Phytochemical Screening of Extracts from *Oroxylum indicum* from CDC, TU, Nepal in 2005. BSc in Chemistry from Amrit Science Campus, Lainchour, Nepal in 2002.

**Awards:** Award of Encouragement from the Japan Society of Science (2010) by Japan Science Society. Top Chemistry Graduate Award (2005) by Tribhuvan University. Chitta Bahadur Tuladhar Gold Medal for BSc (2001) by Amrit Science Campus, Tribhuvan University.

**Expertise:** Nanotechnology. Industrial Science Related to Luminescent Pigments. Self-cleaning Surfaces. Ceramics Materials Related to Lasers. Solar Cells and Fuel Cell.

**Professional Affiliation:** Member, Japan Ceramics Society, Japan. Member, European Ceramics Society, Belgium. Life Member, Nepal Chemical Society, Kathmandu.

**Correspondence:** **Mailing Address:** Jubilant Education Foundation, Kalimati, Nepal. **Phone number/Cell:** 9851177846. **E-mail:** mehomnath@yahoo.com



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**295. Huma Kanta Mishra (M; 1976; Arghakhanchi, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Senior Divisional Engineering, Department of Local Infrastructure, Shreemahal, Pulchowk, Lalitpur.

**Past Experiences:** Engineer, District Technical Office, Taplejung, Engineer, District Technical Office, Gulmi. Engineer, Ministry of Peace and Reconstruction.

**Education:** PhD in Low Cost Seismic Safety Enhance of Structures from Kyoto University, Japan in 2012. MSc in Structural Engineering from Institute of Engineering, TU, Nepal in 2005. BE in Civil Engineering from Institute of Engineering, TU, Nepal in 2000.

**Awards:** Vidhya Bhusan 'Ka' (2014) by Ministry of Education, Government of Nepal.

**Expertise:** Design of Road Bridges. Design of Trail Bridges.

**Professional Affiliation:** Nepal Engineering Association. Japanese Universities Alumni Association, Nepal (JUAAN).

**Correspondence:** **Mailing Address:** Shreemahal, Pulchowk, Lalitpur, Nepal. **Phone number/Cell:** 9851188758. **E-mail:** humakanta@hotmail.com





**296. Ila Shrestha Pradhan (F; 1958; Lalitpur, Nepal)**

**Category:** Botany.

**Current Affiliation:** Professor, Patan Multiple Campus, Tribhuvan University, Lalitpur, Nepal.

**Past Experiences:** Assistant Botanist, Department Plant Resource, Nepal Government.

**Education:** PhD in Ethnobotany of Tamang Community in Langtang National Park and Buffer Zone, Central Nepal with Application of Geographic Information System and Remote Sensing from Tribhuvan University, Nepal in 2009. MSc in Botany from Tribhuvan University in 1986. BSc in Botany, Zoology, Chemistry from Tribhuvan University in 1981.

**Awards:** Nepal Vidhya Bhusan Padak 'Ka' (2009) by Government of Nepal. Sichhya Dibas Padak (2010) by Government of Nepal.

**Expertise:** Ethnobotany. Medicinal Plant and Taxonomy.

**Professional Affiliation:** Patan Multiple Campus, Patan Dhoka, Lalitpur, Nepal.

**Correspondence:** **Mailing Address:** Khumaltar, Lalitpur-15, Nepal. **Phone number/Cell:** 9841675971. **E-mail:** shrestha\_ila@yahoo.com



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**297. Indira Kadel (F; 1981; Dhading, Nepal)**

**Category:** Meteorology. Climatology.

**Current Affiliation:** Senior Divisional Meteorologist, Department of Hydrology and Meteorology, Babarmahal, Kathmandu, Nepal.

**Past Experiences:** Meteorologist, Department of Hydrology and Meteorology, Kathmandu. Short-Term Visiting Scientist, APEC Climate Center (APCC), Busan, Korea.

**Education:** PhD in Monsoon Precipitation Modeling and Climate Change from Tohoku University, Japan in 2017. MSc in Climatic Classification and Climate Change from Tribhuvan University, Nepal in 2006. BSc in Meteorology and Hydrology from Tribhuvan University, Nepal in 2004.

**Awards:** MEXT Scholarship (2012) by Government of Japan. Young Scientist Research Award (2011) by APEC Climate Center, Korea.

**Expertise:** Climate Change. Climate Modeling. Long Range Forecasting. Meteorology.

**Professional Affiliation:** Society of Hydrologists and Meteorologists-Nepal.

**Correspondence:** **Mailing Address:** Department of Hydrology and Meteorology, Babarmahal, Kathmandu, Nepal. **Phone number/Cell:** 984173560. **E-mail:** kadelindira@gmail.com



**298. Indira Parajuli (F; 1979; Kaski, Nepal)**

**Category:** Environmental Science.

**Current Affiliation:** Faculty, Central Department of Environmental Science, Tribhuvan University, Kirtipur, Nepal.

**Past Experiences:** Researcher, Incheon National University, ROK. Networking Coordinator, SWASHTHA, European Union Project, MuAN. District Program Associate, Decentralized Local Governance Support Program (DLGSP)/ UNDP.

**Education:** PhD in Environmental Engineering-Study on Health Risk Reduction by Indoor Air Quality Improvement Using Displacement Exhaust in a Single Cell House of Himalayan Region from Incheon National University, Korea in 2017. MSc in Environmental Management-Access the Bacteriological Quality of Drinking Water, its Impact on Women and Children Health and Access the Indigenous Water Sanitary Pattern (A case Study of Geetanagar VDC, Chitwan, District, Nepal) from Pokhara University, Nepal in 2003. BSc in Zoology from Tribhuvan University, Nepal in 2001.

**Awards:** Young Scientist Award (2019) by Nepal Academy of Science and Technology (NAST). Environmental Protection Award (2017) by Ministry of Forest and Environment. A-Grade National Academic Award (2017) by Ministry of Education, Science and Technology.

**Expertise:** Environmental Pollution and Climate Change. Environmental Risk Assessment. Environmental Health.

**Professional Affiliation:** Member, Asian Institute for Environmental Research and Energy since 2012. Member, Korean Society of Atmospheric Environment (KOSAE) since 2012. Life Member, Center for Energy and Environment, Nepal (CEEN).

**Correspondence:** **Mailing Address:** Pokhara-9, New Road, Kaski, Nepal. **Phone number/Cell:** 9801033588. **E-mail:** parajuli\_indira2000@yahoo.com



**299. Indira Tiwari (F; 1987; Parbat, Nepal)**

**Category:** Molecular Virology. Clinical Embryology.

**Current Affiliation:** Clinical Embryologist, Grande City Hospital, Kantipath, Kathmandu.

**Past Experiences:** Post-Doctoral Associate, Department of Oriental Medicine, School of Korean Medicine, Pusan National University, Yangsan, Republic of Korea.

**Education:** PhD in Regulation of Hepatitis C Virus Replication by Core Protein via Modulation of the Proteasomal Degradation System from Pusan National University, Busan, Republic of Korea in 2017. MSc in Epstein-Barr Virus (EBV) Latent Membrane Protein 1 Overcomes Atrainduced Apoptosis by Down-Regulating Retinoic Acid Receptor- $\beta$ 2 Expression Via Promoter Hypermethylation from Pusan National University, Busan, Republic of Korea in 2012. BSc in Blood screening from Tibhuvan University, Nepal in 2008.

**Awards:** Fellowship in Clinical Embryology (2017) by Creation and Love Women Hospital, Gwangju, Republic of Korea. “Brain Korea 21 Fellowship” to pursue PhD (March 2014-February 2017) by Pusan National University, Busan, Republic of Korea. “Brain Korea 21 fellowship” to pursue MSc (March 2010-February 2012) by Pusan National University, Busan, Republic of Korea.

**Expertise:** Human *In-vitro* fertilization (Clinical). Human Embryo Culture. Human Embryo Freezing/Thawing. Intracytoplasmic Sperm Injection (ICSI). Embryo Transfer (ET). Virus Infection and Titration. Several Techniques Used in Microbiology. Molecular Biology or Biochemistry. Animal/Bacterial Cell Culture. Fractionation of Different Protein Complexes. DNA/RNA Isolation. Nucleic Acid Electrophoreses. RT-PCR. Real Time PCR. ELISA. Luciferase Assay. Immunoprecipitation. Immunocytochemistry. Immunohistochemistry. Apoptosis. Cell Growth Assay. DNA Fragmentation. Methylation Assay. Bisulfite Sequencing.

**Professional Affiliation:** General Secretary, Non Residential Nepalese Association (NRNA), NCC South Korea. President (2017-2019), Society of Nepalese Students in Korea (SONSIK) (2015-2016).

**Correspondence:** **Mailing Address:** Padma Colony, Sitapaila, Kathmandu, Nepal. **Phone number/Cell:** 9861845328. **E-mail:** tiwariindira@yahoo.com



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**300. Indra Bahadur Karki (M; 1959; Morang, Nepal)**

**Category:** Physics.

**Current Affiliation:** Dean, Nepal Open University, Man Bhawan, Lalitpur.

**Past Experiences:** Professor of Physics, Tribhuvan University, Patan Multiple Campus. Coordinator, MSc Programme, Patan Multiple Campus, Tribhuvan University.

**Education:** PhD in Physics-Dye Sensitized Solar Cell from Tribhuvan University, Nepal in 2014. MSc in Physics from Tribhuvan University, Nepal in 1988. BSc in Physics, Chemistry, Math from Tribhuvan University, Nepal in 1985.

**Awards:** Vidhya Bhusan 'Ka' (2014) by President of Nepal, Government of Nepal. Deergha Sewa Padak (Long Service Medal) (2017) by Tribhuvan University. Deergha Sewa Padak (Long Service Medal) (2017) by Patan Multiple Campus, Lalitpur.

**Expertise:** Solar Energy and Renewable Energy. Thin Film Solar Cell. Dye Sensitized Solar Cell. Nano Technology. Gas Sensor.

**Professional Affiliation:** Tribhuvan University, Kathmandu. Nepal Open University, Man Bhawan, Lalitpur.

**Correspondence:** **Mailing Address:** Nepal Open University, Man Bhawan, Lalitpur, Nepal. **Phone number/Cell:** 9849384455. **E-mail:** indrakarki@gmail.com



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**301. Indramani Bhagat (F; 1964; Morang, Nepal)**

**Category:** Botany.

**Current Affiliation:** Associate professor, Post Graduate Campus, Biratnagar, Post Graduate Campus, Biratnagar, Nepal.

**Past Experiences:** Assistant Lecturer, Post Graduate Campus. Lecturer, Post Graduate Campus. Biology Teacher (+2 level), National Academy.

**Education:** PhD in Plant Pathology-Studies on sclerotial blight of tea and management from North Bengal University, Nepal in 2007. MSc in Botany from Tribhuvan University, Nepal in 1991. BSc in Botany from Tribhuvan University, Nepal in 1988.

**Awards:** Nepal Vidhya Bhusan Medal (2008) by President of Dr. Ram Baran Yadav.

**Expertise:** Plant Pathology. Ethnobotany.

**Professional Affiliation:** Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Kathmandu. Tribhuvan University, Kirtipur, Kathmandu.

**Correspondence:** **Mailing Address:** Dr. Indramani Bhagat, C/o Dr. Shailesh K. Bhagat PO Box 100, Biratnagar, Nepal. **Phone number/Cell:** 9852023611. **E-mail:** drimbhagat@yahoo.com



### 302. Ira Shrestha (F; 1977; Lalitpur, Nepal)

**Category:** Medicine. Medical Physiology.

**Current Affiliation:** Assistant Professor, Patan Academy of Health Sciences (PAHS), Patan Hospital, Lagankhel, Lalitpur.

**Past Experiences:** Lecturer, Kathmandu University School of Medical Sciences. Assistant Professor, Patan Academy of Health Sciences.

**Education:** PhD in The mechanism of gene delivery enhancing effect by itraconazole from Yeungnam University School of Medical Sciences, Republic of Korea in 2019. MSc in Effect of age on time domain measures of heart rate variability of healthy individuals from BP Koirala Institute of Health Sciences, Nepal in 2004.

**Expertise:** DNA/RNA Transfection. Western Blot. Fluorescent Microscopy.

**Correspondence:** **Mailing Address:** House No. 28, Money Plant Namuna Basti, Hattiban, Lalitpur, Nepal. **Phone number/Cell:** 9841306105. **E-mail:** ira\_shta2001@yahoo.com



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### 303. Ishwar Chandra Yadav (M; 1979; Rautahat, Nepal)

**Category:** Environmental Science.

**Current Affiliation:** Principal Scientist, IIT, New Delhi.

**Past Experiences:** Research Scientist, Tokyo University of Agriculture and Technology, Japan. Young Scientist, Chinese Academy of Science, China. Post-Doctoral Fellow, SRM University, India.

**Education:** PhD in Arsenic Contamination and Migration in the Groundwater of Nawalparasi, District, Nepal-an Approach to Sustainable Drinking Water Supply from Banaras Hindu University, India in 2012. MSc in Environment Science from University of Mysore, India in 2006. BSc in Environmental Science from Tribhuvan University, Nepal in 2003.

**Awards:** Young Science and Technology Award (2014) by NAST. JSPS Award (2016) by Japan Society for the Promotion of Science. President Post-Doc Award (2014) by Chinese Academy of Sciences.

**Expertise:** Environmental Geochemistry. Eco-Toxicology Real-Time Monitoring. Source Apportionment of Atmospheric Aerosols and PM 2.5.

**Professional Affiliation:** Japan Pesticide Society. Japanese Society of Irrigation, Drainage and Rural Engineering, Japan. American Society for Microbiology (ASM), USA.

**Correspondence:** **Mailing Address:** III/184, IIT Delhi. **Phone number/Cell:** 6206142013. **E-mail:** icyadav.bhu@gmail.com



**304. Ishwari Prasad Kadariya (M; 1977; Lamjung, Nepal)**

**Category:** Animal Science. Reproductive Biotechnology.

**Current Affiliation:** Associate Professor and Director, Center for Biotechnology, Agriculture and Forestry University, Chitwan Nepal.

**Past Experiences:** Assistant Professor, Tribhuvan University, IAAS, Nepal.

**Education:** PhD in Action Mechanism of RNA Inhibin alpha Subunit Gene on Apoptosis of Granulosa Cells and Fertility in Mouse from Huazhong Agricultural University, Wuhan, China in 2015. MSc in Animal Science from Tribhuvan University, IAAS, Rampur, Chitwan, Nepal in 2006. BSc in Agriculture from Tribhuvan University, IAAS, Rampur, Chitwan in 2000.

**Awards:** Received 3<sup>rd</sup> Prize with Excellent Award in “6th Zhongsheng Cup” A PhD Level Student’ Research Paper Competition from Whole China. (2014) by North West Agricultural and Forest University.

**Expertise:** Molecular Regulation of Folliculogenesis and Ovulation Control for Animal Improvement. Molecular Breeding. Transgenic Animal Technology-IVF and Embryo Transfer Technology. Molecular Marker and Marker Assisted Selection in Animal Improvement.

**Professional Affiliation:** Life Member, Nepal Animal Science Association.

**Correspondence:** **Mailing Address:** Center for Biotechnology, Agriculture and Forestry University, Rampur, Chitwan, Nepal. **Phone number/Cell:** 9851223255. **E-mail:** ipkadariya@afu.edu.np, Kadariyaip@gmail.com



**305. Ishwori Prasad Gautam (M; 1962; Gulmi, Nepal)**

**Category:** Horticulture.

**Current Affiliation:** Principal Scientist, Nepal Agricultural Research Council (NARC), Horticulture Research Division, Khumaltar, Lalitpur, Nepal.

**Past Experiences:** Principal Scientist, National Agricultural Research Council.

**Education:** PhD in Study on Yield, Storability and Processing Quality of Potato (*Solanum tuberosum* L.) from Tribhuvan University, Institute of Agriculture and Animal Science (IAAS), Rampur, Chitwan, Nepal in 2014. MSc in Effect of Nitrogen and Boron on Growth and Yield of Kharif Onion (*Allium cepa*, L.) Cv. N-53 from Chandra Shekhar Azad University of Agriculture and Technology (CSAUA and T), Kanpur, India in 2001. BSc in Vegetable from Central Campus of Rampur, Institute of Agriculture and Animal Science (IAAS), Tribhuvan University, Nepal in 1987.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2019) by Nepal President Bidhya Devi Bhandari. Best Research Paper (2014) by Agriculture Development Minister. PhD Degree (2009) by NARC.

**Expertise:** Worked as a Project Leader of HARP Funded Project on Improvement upon Post-Harvest Shelf Life and Marketing of Mandarin Orange in the Hills of Nepal. PP 22/98. Worked as a Project Leader of HARP Funded Project on French Bean and Vegetable Soy Bean Variety and Plant Nutrition Technologies Development for Increased Income and Nutrition in Hills. PP 26/98. Working as Project Leader of NARDF Funded Project on Increase the Income, Nutrition and Food Security of Hill Farmers Through Introducing The French Bean in Maize Based Cropping System. PP 145/59/60.

**Professional Affiliation:** Horticultural Research Division, Nepal Agricultural Research Council, Khumaltar, Lalitpur, Nepal. Regional Agricultural Research Station, Nepalgunj (NARC). District Agriculture Development Offices- Dadeldhura and Parbat, Ministry of Agriculture of Nepal.

**Correspondence:** **Mailing Address:** Horticulture Research Division, Nepal Agricultural Research Council, Khumaltar, Nepal. **Phone number/Cell:** 9841390170/9851215124. **E-mail:** ishworigautam@gmail.com



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**306. Jagadeesh Bhattarai (M; 1962; Bhojpur, Nepal)**

- Category:** Chemistry. Materials Science. Nano-Materials.
- Current Affiliation:** Professor of Chemistry, Central Department of Chemistry, Tribhuvan University, Kirtipur, Kathmandu.
- Past Experiences:** Visiting Professor, Tohoku Institute of Technology, Sendai, Japan (2007-2008). Associate Professor, Central Department of Chemistry, Tribhuvan University. UNESCO-Research Fellow (1991-1992), Tokyo Institute of Technology, Tokyo, Japan.
- Education:** PhD in Materials Chemistry-Tailoring of Corrosion-Resistant of Tungsten Based Alloys by Sputtering Method from Tohoku University, Sendai, Japan in March 1998. MSc in Chemistry-Adsorption Study of Dyes onto China Clay of Pachmane and Daman Areas of Nepal from Central Department of Chemistry, TU, Nepal, Nepal in 1987. BSc in Chemistry, Botany, Zoology (Opt: Mathematics & English) from Tri-Chandra Multiple Campus, Tribhuvan University, Nepal in 1985.
- Awards:** Shree Sitaram Agrawal Chemical Award (2004) by Nepal Chemical Society. MONBUKAGAKUSHO (MONBUSHO) Scholarship (1994-1998) by Japan Government. UNESCO- Fellowship (1991-1992) by Japan Government.
- Expertise:** Fabrication of Nano-Material Electrodes for Renewable Fuel Energy Production. Development of Corrosion-Resistant Alloys. Corrosion Control Methods in Aqueous, Soil, Concrete Environments. Mineralogical Analysis of Natural Clay Minerals of Nepal.
- Professional Affiliation:** Central Department of Chemistry, Tribhuvan University, Kirtipur, Nepal. Tohoku Institute of Technology, Sendai, Japan. Department of Chemistry, Tri-Chandra Multiple Campus, TU, Kathmandu, Nepal.
- Correspondence:** **Mailing Address:** GPO Box 2040, Kirtipur, Kathmandu, Nepal. **Phone number/cell:** 014333746. **E-mail:** abjbhattarai@yahoo.com



**307. Jagadis Gautam (M; 1985; Ramechhap, Nepal)**

- Category:** Chemistry.
- Current Affiliation:** Lecturer, Kathmandu World School, Gundu-7, Bhaktapur.
- Past Experiences:** Chemistry Lecturer, Milestone Int'l College. Chemistry Lecturer, Pentagon Int'l College.
- Education:** PhD in Chemical Engineering from Chonbuk National University, Republic of Korea in 2019. MSc in Chemistry from Tribhuvan University, Nepal in 2008. BSc in Chemistry from Tribhuvan University in 2006.
- Expertise:** Electrochemistry. Fuel Cell. Super-Capacitor.
- Correspondence:** **Mailing Address:** Lakanpur-2, Ramechhap, Nepal. **Phone number/Cell:** +9779846678166. **E-mail:** gjagadis2@gmail.com



**308. Jagadish Timsina (M; 1956; Jhapa, Nepal)**

**Category:** Agriculture.

**Current Affiliation:** Director, Agricultural Research and Development, Institute for Study and Development Worldwide (IFSD), Sydney, Australia.

**Past Experiences:** Senior Research Scientist, International Rice Research Institute (IRRI), Philippines. Senior Research Scientist, CSIRO Land and Water, Australia. Senior Research Fellow, University of Melbourne, Australia.

**Education:** PhD (Crop Physiology)-Adaptation of Cowpea Cultivars to Drought and Waterlogging from University of the Philippines at Los Banos (UPLB), Los Banos, Philippines in 1989. MSc in Soil Fertility and Farming Systems Research from UPLB, Philippines in 1984. BSc in Agriculture, Agronomy, Animal Husbandry from Pantnagar University, Nainital, UP, India in 1979.

**Awards:** IRRI Award for Significant Research Publications (1988) by IRRI, Philippines. Nepal Jaycee's Outstanding Young Person Award for Significant Publications (1990) by Nepal Jaycees. Mahendra Vidhya Bhusan Award (1991) by King of Nepal.

**Expertise:** Research on Farming Systems and Agriculture. Agriculture Education (Vocational Education and University Level Higher Education). Conventional and Organic Agriculture. Soil and Plant Nutrition. Conservation Agriculture. Sustainable Intensification.

**Professional Affiliation:** Institute for Study and Development Worldwide (IFSD), Sydney, Australia. Nepalese Association of Agriculture, Forestry and Environment in Australia (NEPAFE). Editor, Agricultural Systems Journal, Elsevier Publishers, London.

**Correspondence:** **Mailing Address:** 28 Buckley Avenue, Blacktown 2148, Sydney. **Phone number/Cell:** 61420231211. **E-mail:** timsinaj@hotmail.com



**309. Jagat Krishna Chhipi Shrestha (M; 1987; Bhaktapur, Nepal)**

**Category:**

Chemical Biology. Molecular Biotechnology.

**Current Affiliation:**

Post-Doctoral Researcher, RIKEN, 2-1, Hirosawa, Wako, Saitama, 351-0198, Japan.

**Past Experiences:**

Research Student, The University of Tokyo, Japan. Assistant Research Fellow, NAST. Research Assistant, NAST.

**Education:**

PhD in Chemical Genetics-Studies on Translational Buffering Upon Splicing Inhibition from The University of Tokyo, RIKEN, Japan in 2019. MSc in Biotechnology-Genetic Diversity Analysis of *Swertia chirayita* [Roxb. Ex Flem] Karst Populations of Nepal using Polymerase Chain Reaction based Random Amplified Polymorphic DNA (RAPD-PCR) Technique from Tribhuvan University, Central Department of Biotechnology and NAST, Nepal in 2012. BSc in Microbiology from Tri-Chandra College, Tribhuvan University, in 2009.

**Awards:**

Monbukagakusho Scholarship (2014) by Ministry of Science and Technology, Japan. Research Fellowship (2013) by NAST. MSc Dissertation Fellowship (2011) by NAST.

**Expertise:**

Chemical Genetics and Genomics. Molecular Cloning. Next Generation Sequencing and Analysis.

**Professional Affiliation:**

RIKEN, 2-1, Hirosawa, Wako, Saitama, 351-0198, Japan.

**Correspondence:**

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### 310. Jagat Kumar Shrestha (M; 1966; Gorkha, Nepal)

**Category:** Engineering.

**Current Affiliation:** Director, Center for Infrastructure Development Studies, Institute of Engineering, Pulchowk, Lalitpur.

**Past Experiences:** Assistant Dean, Institute of Engineering, Tribhuvan University. Deputy Head, Department of Civil Engineering, Pulchowk Campus.

**Education:** PhD in Civil Engineering from University of Aveiro, Portugal in 2013. MSc in Structural Engineering from Pulchowk Campus, Tribhuvan University, Nepal in 1998. BE in Civil Engineering from Pulchowk Campus, IOE, Tribhuvan University in 1992.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2016) by Government of Nepal.

**Expertise:** Teaching Civil Engineering Subjects. Research and Development in Structural, Civil Engineering. Design of Buildings, Roads and Bridges.

**Professional Affiliation:** Nepal Engineers' Association, Harihar Bhawan, Lalitpur. Structural Engineers' Association, Nepal (SEANep), Harihar Bhawan, Lalitpur. Nepal Engineering Anusandhan Kendra, Lalitpur.

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### 311. Jageshwar Prasad Shah (M; 1981; Saptari, Nepal)

**Category:** Cardiology.

**Current Affiliation:** Consultant Cardiologist, Nagarik Community Teaching Hospital, Bhaktapur-15, Nepal.

**Past Experiences:** Lecturer, Jिंगgangshan University, China.

**Education:** PhD in Cardiology-Prevalence and Prognostic Significance of Right Ventricular Dysfunction in Patients with Hypertrophic Cardiomyopathy from Sichuan University, China in 2019. MD (Internal Medicine)-Observation on Clinical Efficacy and Safety of Trimetazidine for Stable Angina Pectoris from Liaoning Medical University, China in 2013. MBBS from Xinxiang Medical University, China in 2008.

**Awards:** Lushan Friendship Award (2015) by People's Government of Jiangxi Province, China.

**Expertise:** Cardiology. Internal Medicine.

**Professional Affiliation:** Shahid Gangalal National Heart Centre, Bansbari, Kathmandu, Nepal. Nagarik Community Teaching Hospital, Bhaktapur-15, Nepal.

**Correspondence:** **Mailing Address:** Nagarik Community Teaching Hospital, Bhaktapur-15, Nepal. **Phone number/Cell:** +9779848526302. **E-mail:** jpshah2019@gmail.com



### 312. Jagjit Kour (F; 1962; Parsa, Nepal)

**Category:** Chemistry.

**Current Affiliation:** Associate Professor, Tri-Chandra College, Tribhuvan University, Ghantaghar.

**Past Experiences:** Lecturer in Chemistry, Tribhuvan University.

**Education:** PhD in Chemistry-Functionalization of Bio-Polymers for the Treatment of Heavy Metals from Aqueous Medium from Tribhuvan University, Nepal in 2015. MSc in Organic Chemistry from Tribhuvan University in 1989. BSc in Chemistry, Biology from Tribhuvan University in 1986.

**Awards:** Vidhya Bhusan 'Ka' (2018) by President of Nepal, Government of Nepal. Deerga Sewa Padak (Long Service Medal) (2019) by Tribhuvan University.

**Expertise:** Separation Science. Hazardous Materials. Environmental Science.

**Professional Affiliation:** Nepal Chemical Society, Nepal.

**Correspondence:** **Mailing Address:** Kathmandu-31, Shankhamul, Nepal. **Phone number/Cell:** 9841422302. **E-mail:** jagjitkour00@gmail.com



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### 313. Janak Bahadur Chand (M; 1972; Baitadi, Nepal)

**Category:** Geology.

**Current Affiliation:** Senior Divisional Geologist, Department of Mines and Geology, Kathmandu, Nepal.

**Past Experiences:** Geologist, Department of Mines and Geology.

**Education:** PhD in GIS Based Systematical Model for Slope Failure Hazard Assessment from Nepal in 2011. MSc in Comparison of Risk Assessment Methods a Case Study of Kathmandu City from National Graduate Institute for Policy Studies, Japan in 2006. BSc in Geology from Tribhuvan University in 1995.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2011) by Government of Nepal, Ministry of Education.

**Expertise:** Geohazards.

**Professional Affiliation:** Nepal Orind Magnesite Pvt Limited, Baneshor, Kathmandu.

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**314. Janak Sapkota (M; 1987; Baglung, Nepal)**

**Category:** Materials Science. Engineering.

**Current Affiliation:** Senior Researcher, UPM-Kymmene Oyj, Paloasemantie 19, 53200 Lappeenranta.

**Past Experiences:** Post-Doctoral Researcher, Montanuniversitaet Leoben, Austria. Researcher, Adolphe Merkle Institute, Fribourg, Switzerland. Research Assistant, Tampere University of Technology, Tampere, Finland.

**Education:** PhD in Chemistry-Processing, Structure, and Properties of Cellulose Based Nanocomposites from University of Fribourg, Switzerland in 2016. MSc in Materials Science from Tampere University of Technology, Finland in 2012. BSc in Physics from Tribhuvan University, Nepal in 2009.

**Awards:** Scholarship for Distinction (2012) by Tampere University of Technology. Nepal Vidhya Bhusan 'Ka' (2018) by Government of Nepal.

**Expertise:** (Nano) Composites. Materials Science. Nanotechnology.

**Correspondence:** **Mailing Address:** Huopatehtaankatu 4C 24, 53900, Lappeenranta, Finland. **Phone number/Cell:** +358407291446. **E-mail:** sapkota.janak@outlook.com



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**315. Janardan Lamichhane (M; 1966; Dang, Nepal)**

**Category:** Biochemistry. Molecular Biology.

**Current Affiliation:** Professor, School of Science, Kathmandu University, Dhulikhel, Kavre.

**Past Experiences:** Visiting Professor, Sun Moon University, South Korea. Head of Department, Department of Biotechnology, Kathmandu University. Service Commission Member, Nepal Academy of Science and Technology.

**Education:** PhD in Molecular Biology from Sun Moon University, Republic of Korea in 2006. MSc in Organic Chemistry from Tribhuvan University, Nepal in 1991. BSc in Chemistry from Tri-Chandra College in 1989.

**Awards:** Nepal Vidhya Bhusan (2007) by President of Nepal.

**Expertise:** Genetic Engineering of Bacterial Genes. Medicinal Plants Research, Soil Analysis Research.

**Professional Affiliation:** Sun Moon University, Asan-si, South Korea. University of Delhi, India. Asian Institute of Technology, Thailand.

**Correspondence:** **Mailing Address:** School of Science, Kathmandu University, Department of Biotechnology, Dhulikhel, Kavre, Nepal. **Phone number/Cell:** +9779851178913. **E-mail:** ljanardan@ku.edu.np



### 316. Jay Kant Raut (M; 1972; Saptari, Nepal)

**Category:** Mycology.

**Current Affiliation:** Senior Scientific Officer, Nepal Academy of Science and Technology, Khumaltar, Lalitpur.

**Past Experiences:** Visiting Lecturer, Central Department of Biotechnology, Tribhuvan University, Nepal. Teaching Assistant, Department of Biology, Chiba University, Japan. Lecturer, Mount Everest College Suryabinayak, Bhaktapur, Nepal.

**Education:** PhD in Mushroom from Chiba University, Japan in 2011. MSc in Botany from Tribhuvan University, Nepal in 1997. BSc in Biology from Tribhuvan University in 1995.

**Awards:** National Biotech Award “Research Scientist Award 2019” (2019) by Nepal Biotechnology Society. Nepal Vidhya Bhusan Padak ‘Ka’ (2012) by Government of Nepal.

**Expertise:** Mushroom Cultivation Systematics and Nomenclature. Mushroom Biotechnology. Fungal Ecology.

**Professional Affiliation:** Nepal Academy of Science and Technology, Khumaltar, Lalitpur.

**Correspondence:** **Mailing Address:** Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** 9841300540. **E-mail:** raut\_jk2000@yahoo.com



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### 317. Jay Prakash Sah (M; 1979; Dhanusa, Nepal)

**Category:** Medicine.

**Current Affiliation:** Assistant Professor, School of Health and Allied Sciences, Pokhara University, Pokhara-30, Kaski, Nepal.

**Past Experiences:** Assistant Professor, Nobel College, Kathmandu, Nepal. Assistant Professor, Hope International College, Lalitpur, Nepal. Assistant Professor, NAMS College.

**Education:** PhD in Medi-Bioscience-Molecular Biology-Investigation of ENPP2 Function in Skeletal Myogenesis from Soon Chun Hyang University, Republic of Korea in 2019. MSc in MLT-Clinical Biochemistry from HNB Garhwal University, India in 2007. BSc in Microbiology from Tribhuvan University, Nepal in 2004.

**Awards:** Nepal Vidhya Bhusan ‘Ka’ (2019) by President of Nepal. University First (2007) by HNB Garhwal University. Travel Grant Award (2016) by SIMS-Weizmann Institute Project.

**Expertise:** Medical Biochemistry. Molecular Biology. Stem Cell Biology.

**Professional Affiliation:** Pokhara University, Kaski, Nepal.

**Correspondence:** **Mailing Address:** Faculty of Health Science, School of Health and Allied Sciences, Pokhara University, Pokhara-30, Kaski, Nepal. **Phone number/Cell:** 9825113091. **E-mail:** shahjayprakash1@gmail.com



**318. Jaya Gautam Banskota (F; 1988; Kathmandu, Nepal)**

**Category:** Drug Discovery. Cancer. IBD.  
**Current Affiliation:** Post-Doctoral Fellow, McMaster University, 644 Main Street West, Hamilton Ontario, Canada.  
**Past Experiences:** Pharmacist, Dekha Herbals. Pharmacist, Singha Durbar Vaidhya Khana.  
**Education:** PhD in Pharmacy-Role of Serotonin in Breast Cancer Progression from Yeungnam University, Republic of Korea in 2018. MSc in Pharmacy-Role of Cathepsins in Cancer Metastasis from Yeungnam University, Republic of Korea in 2015. B Pharm in Pharmacy from Pokhara University, Nepal in 2010.  
**Awards:** Topper of Batch (2015) by Yeungnam University. Research Award (2016) by Smart Sisters Program, South Korea. Dean's list (2010) by Pokhara University.  
**Expertise:** Hepatic Cancer. Breast Cancer. Metabolism.  
**Professional Affiliation:** Member of Nepal Pharmacy Council. Member of Pharmaceutical Society of Korea.  
**Correspondence:** **Mailing Address:** McMaster University, 644 Main Street West, Hamilton Ontario, Canada. **Phone number/Cell:** +1 416 710 4672. **E-mail:** gautamj@mcmaster.ca



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**319. Jayanta Acharya (M; 1975; Tanahu, Nepal)**

**Category:** Astronomer.  
**Current Affiliation:** Associate Professor, Balmikee Campus, Kathmandu.  
**Past Experiences:** Associate Professor, Nepal Sanskrit University (NSU).  
**Education:** PhD in Astronomy-Ancient Mathematics from Nepal Sanskrit University, IAU, TU, Nepal in 2018. MSc from World's Many University, India in 2000. BSc in Mathematics and Astronomy from Balmikee Campus, Nepal in 1998.  
**Awards:** Chancellor (2000) by NSU. Mahendra Vidhya Bhusan 'Ka' (2000) by Government of Nepal.  
**Expertise:** Astronomy. Mathematics. Ancient Science.  
**Professional Affiliation:** Balmikee Campus, Nepal Sanskrit University, Exhibition Road, Kathmandu.  
**Correspondence:** **Mailing Address:** PO Box 12947, Kathmandu, Nepal. **Phone number/Cell:** 014433781/9841313313. **E-mail:** jayantaacharya@gmail.com



**320. Jeeban Poudel (M; 1986; Kaski, Nepal)**

**Category:** Waste Management and Treatment.

**Current Affiliation:** Post-Doctoral Research Fellow, The University of Queensland, Australia.

**Past Experiences:** Post-Doctoral Research Fellow, Kongju National University, South Korea.

**Education:** PhD in Mechanical Engineering from Kongju National University, Republic of Korea in 2016. ME in Waste/Biomass-to-Energy from Kongju National University, Republic of Korea in 2012. BE in Mechanical Engineering from Kathmandu University, Nepal in 2008.

**Awards:** Korean Government Scholarship (2009) by Korean Government.

**Expertise:** Solid Waste Management. Thermal Treatment of Wastes/Biomass. Design of Thermal Systems.

**Professional Affiliation:** The University of Queensland. Kongju National University. Kathmandu University.

**Correspondence:** **Mailing Address:** 285 Hawken Drive, St Lucia. **Phone number/Cell:** +61481811293. **E-mail:** jeeban1985@gmail.com



**321. Jeevan Bahadur Sherchand (M; 1956; Mustang, Nepal)**

- Category:** Infectious and Tropical Diseases. Biomedical Public Health. Laboratory Based Research.
- Current Affiliation:** Professor, Institute of Medicine, Tribhuvan University Teaching Hospital, Maharajgunj Medical Campus, Narayan Gopal Road, Kathmandu.
- Past Experiences:** Research Director, Institute of Medicine, Tribhuvan University Teaching Hospital, Maharajgunj Medical Campus. Ethics Chair and Epidemiologist, NHRC, Government of Nepal, Nepal Health Research Council. Head of Public Health Research Laboratory and Department of Microbiology, Institute of Medicine, Tribhuvan University Teaching Hospital, Maharajgunj Medical Campus.
- Education:** PhD in Tropical Medicine-The Value of Malaria Diagnosis: a Preliminary Study in the Terai Districts of Nepal for Policy Makers from School of Tropical Medicine, The University of Liverpool, United Kingdom in 1996. MSc in Tropical Medicine-Detection and Localization of *E. histolytica* Antigen in Experimentally Induced Hepatic Amoebiasis in the Hamster from Bangkok School of Tropical Medicine, Mahidol University, Thailand in 1990. BSc in Medical Laboratory Technology from Postgraduate Institute of Medical Education and Research, Chandigarh, India in 1980.
- Awards:** Bigyan Pravidhi Prabhandhan Puruskar (2004) by Prime Minister and Chancellor of Royal Nepal Academy of Science and Technology Nepal. Outstanding Health Research Award (2002) by Government of Nepal, Health Minister, Nepal Health Research Council. Charles C. Shepard Science Award (2017) by Excellence Research Contribution by US Department of Health and Human Services, Centers for Disease Control and Prevention (CDC-ATSDR), USA.
- Expertise:** Infectious and Tropical Diseases. Biomedical-Laboratory and Field Based Research. Molecular Microbiology. Parasitology. Epidemiology. Public Health Research.
- Professional Affiliation:** Public Health Research Laboratory and Infectious Diseases. Medical Laboratory Science Association. Microbiology Association. International Association of Biomedical Sciences, Parasitology/Virology.
- Correspondence:** **Mailing Address:** PO Box 13913, Panipokhari, Maharajgunj-3, 116/19, Kathmandu, Nepal. **Phone number/Cell:** 4413642/9851048993. **E-mail:** jeevanbsherchand@gmail.com



### 322. Jhamak Bahadur Karki (M; 1963; Khotang, Nepal)

**Category:** Wildlife and Protected Area.

**Current Affiliation:** Associate Professor, Kathmandu Forestry College, Koteshwor, Kathmandu-32, Nepal.

**Past Experiences:** Associate Professor, Nepal Engineering College-Center for Post Graduate Studies. Conservation Education Officer, Department of National Parks and Wildlife Conservation. Chief Conservation Officer, Chitwan National Park.

**Education:** PhD in Occupancy and Abundance of Tiger and its Prey in Terai Arc Landscape Nepal from Forest Research Institute University (FRU), India in 2011. MSc in Effects of Grazing, Utilization and Management of the Grasslands of Royal Bardia National Park, Nepal from Wildlife Institute of India, Saurashtra University in 1997. BSc in Forestry from Institute of Forestry, Pokhara, Nepal in 1984.

**Awards:** PhD Degree (2011) by Forest Research Institute University.

**Expertise:** Wildlife Management in Particular Tiger and its Prey Species. Habitat Management including Wetland, Grassland and Forest. Impact on Wildlife from Infrastructure Development.

**Professional Affiliation:** Conservation Development Foundation. Nepal Foresters' Association.

**Correspondence:** **Mailing Address:** Prayagmarg, Prakritik Tole, Kathmandu, Nepal. **Phone number/Cell:** 9841364888/1-4109167. **E-mail:** jbkarki@gmail.com



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### 323. Jiba Raj Acharya (M; 1969; Dang, Nepal)

**Category:** Chemistry.

**Current Affiliation:** CEO, Gorkha Model Secondary School, Lamahi, Dang.

**Past Experiences:** Academic Director, Triton International College. Academic Director, National College. Assistant Professor, Nicholls State University.

**Education:** PhD in Organic Functional Martials from Louisiana State University (LSU), United States in 2011. MSc in Chemistry from Tribhuvan University, Nepal in 1996. BSc in Chemistry from Tribhuvan University, in 1992.

**Awards:** Nepal Vidhya Bhusan 'Ka' Award (2015) by President Office, Nepal. Coates Award (2008) by LSU. Best TA (2009) by LSU.

**Expertise:** Fluorescence. Attenuation of Energy Teansfer in End Capped Conjugated Oligomers. Design of Chemosensors. Chemosensing Applications. NMR. UV/Vis. Fluorescence. AFM. SEM. TEM. IR.

**Professional Affiliation:** Life Member, Nepal Chemical Society. Ex-Member, American Chemical Society.

**Correspondence:** **Mailing Address:** Lamahi-5, Dang, Nepal. **Phone number/Cell:** 9851244208. **E-mail:** acharyajibaraj@gmail.com



### 324. Jiba Raj Pokharel (M; 1952; Khotang, Nepal)

**Category:** Architecture. Urban Planning. Disaster Risk Reduction.  
**Current Affiliation:** Academician, NAST.  
**Past Experiences:** Vice-Chancellor, Nepal Academy of Science and Technology. Dean, Institute of Engineering. President, Nepal Engineers' Association.  
**Education:** PhD in Architecture Conservation from University of York, United Kingdom in 1993. Master in Architecture Conservation from University of York, United Kingdom in 1990. Bachelor of Architecture in University Library from MS University of Baroda, India in 1975.  
**Awards:** Gorkha Daxin Bahu III (2047 BS) by Government of Nepal. Education Prize (2052 BS) by Tribhuvan University. PhD Award (2055 BS) by Ministry of Education.  
**Expertise:** Architecture Conservation. Disaster Risk Reduction. Urban Planning.  
**Professional Affiliation:** Nepal Engineering Council. Society of Nepali Architecture.  
**Correspondence:** **Mailing Address:** 158, Town Planing, Lubhu, Mahalaxmi, Lalitpur, Nepal. **Phone number/cell:** 015580424/9851024241. **E-mail:** jibaraj@gmail.com



### 325. Jit Narayan Sah (M; 1965; Dhanusa, Nepal)

**Category:** Forest Products. Chemistry of Forest Products. Wood Science Technology. NTFPs. Bio-energy.  
**Current Affiliation:** Assistant Dean, Institute of Forestry, Tribhuvan University, Kirtipur.  
**Past Experiences:** Assistant Dean, Institute of Forestry. Assistant Professor, Institute of Forestry, Pokhara. Plantation Manager, M/s Kit Ply Industries Ltd, MP, India.  
**Education:** PhD in Forestry-Chemistry of Forest Products from Forest Research Institute University, Dehradun, India in 2014. MSc in Organic Chemistry from Lalit Narayan Mithila University, India in 1993. BSc in Physics, Chemistry, Mathematics and Chemistry Honours from Lalit Narayan Mithila University, India in 1991.  
**Awards:** Nepal Vidhya Bhusan Padak 'Ka' (2017) by Honorable President of Nepal Bidya Devi Bhandari.  
**Expertise:** Forest Products Utilization. Phytochemical Analysis. Natural Products, Chemistry of Forest Products. NTFPs. Bio Energy and Wood Science and Technology. Supervision for Dissertation of MSc and BSc Student at IOF. Project Collaboration with KVL Universities of the World. Plantation Management Performed and Executed Fast-Growing Species of Plantation Work Starting from Land Development of 1700 acres of Waste and Degraded Land Reclamation Project of Madhya Pradesh (MP), India.  
**Professional Affiliation:** Life Member, Nepal Chemical Society.  
**Correspondence:** **Mailing Address:** Office of the Dean, Institute of Forestry, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** +9771433392627/9846027615. **E-mail:** jitnarayan2008@gmail.com



**326. Jitendra Upadhyaya (M; 1984; Kailali, Nepal)**

**Category:** Food Science and Technology. Natural Products.  
**Current Affiliation:** Visiting Professor, McGill University, 20386 Lakeshore.  
**Past Experiences:** Research Fellow, Nepal Academy of Science and Technology. Visiting Faculty, Kathmandu University.  
**Education:** PhD in Biotransformation of Major Ginsenosides to Rare Ginsenosides, C-K, C-Mc, and C-Y by Honey Mushroom Mycelia from Chonbuk National University, Korea in 2016. MSc in Sensitivity Analysis of Various Factors into Microflora of Cultured Milk Products in Nepal from Moscow State University of Applied Biotechnology, Russian Federation in 2010. BSc in Microbiology from Tri-Chandra Campus, Tribhuvan University, Nepal in 2006.  
**Awards:** Nepal Vidhya Bhusan 'Ka' 2017 from President of Nepal by Government of Nepal. Publicity Envoy and Korean Government Scholarship Award (2011 to 2019) by Government of South Korea, Ministry of Education. Russian Government Scholarship Award (2007-2010) by Government of Russia.  
**Professional Affiliation:** Visiting Professor, McGill University, Canada. President, Community Research, Empowerment and Development Center (CRED-Center), Kathmandu, Nepal. General Secretary, Research for Next Generation, Kalaki, Kathmandu, Nepal.  
**Correspondence:** **Mailing Address:** McGill University, 20386 Lakeshore, Canada. **Phone number/Cell:** 5146511230. **E-mail:** jitu.upadhyaya@gmail.com, jitendra.upadhyaya@mcgill.ca



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**327. Jivandhar Jnawali (M; 1969; Arghakhanchi, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Associate Professor, Ratna Rajyalaxmi Campus, Tribhuvan University, Exhibition Road, Kathmandu, Nepal.

**Past Experiences:** Lecturer in Mathematics, Ratna Rajyalaxmi Campus, Tribhuvan University. Head, Department of Mathematics, Ratna Rajyalaxmi Campus, Tribhuvan University. Assistant Campus Chief, Ratna Rajyalaxmi Campus, Tribhuvan University.

**Education:** PhD in Mathematics-Newton Type Iterative Methods for Solving Nonlinear Equations from IOST, Tribhuvan University in 2018. MSc in Mathematics from IOST, Tribhuvan University in 1992. BSc in Mathematics, Physics, Statistics from IOST, Tribhuvan University Nepal in 1989.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2019) by Government of Nepal.

**Expertise:** Mathematics. Numerical Methods.

**Professional Affiliation:** Tribhuvan University, Nepal.

**Correspondence:** **Mailing Address:** Department of Mathematics, Ratna Rajyalaxmi Campus, Exhibition Road, Kathmandu, Nepal. **Phone number/Cell:** 014331785/9851037804. **E-mail:** jjnawali@hotmail.com/jnawali@gmail.com



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**328. JN Himali Pandey (M; 1965; Lamjung, Nepal)**

**Category:** General and Internal Medicine. Hepatobiliary Gastropancreato entero Colonoproctology. Law. Public Health Administrator.

**Current Affiliation:** Professor and Head Department of the Medicine, National Medical College, Kalikasthan, Kathmandu.

**Past Experiences:** Superintendent and Chief, District Hospital, Besishahar, Lamjung.

**Education:** PhD in Internal Medicine-Gastroenterology from Kiub, Russian Federation in 1992. DM in Gastroenterology from Biub, Belarus in 1989. MBBS and MD in General and Internal Medicine from Crimia State Medical University Russian Federation in 1984.

**Awards:** Gold Medal 'Ka' (2050 BS) by Government of Nepal (King Birendra). FICA (Fellow of International College of Angiology) (2055 BS) Award by FICA. FACP (Fellow of American College of Physician) (2058 BS) Award by FACP.

**Expertise:** Medical Doctorate. Advocate. Freelance Journalist. Medical Scientist. Subject Psychoanalysis.

**Professional Affiliation:** Lifemember, Nepal Medical Association, Siddisadan, Pradarshani Marg. Lifemember, Nepal Bar Association, Ramshahpath. Lifemember, Russian Graduates Alumni Association, Kamalpokhari.

**Correspondence:** **Mailing Address:** PO Box 6835, Kathmandu, Nepal. **Phone number/Cell:** 014360434. **E-mail:** romali.nep@gmail.com



### 329. Johnny Bajgai (F; 1990; Kailali, Nepal)

**Category:** Global Medical Science.

**Current Affiliation:** Researcher (Post-Doctoral), Yonsei University, Wonju College of Medicine, South Korea.

**Past Experiences:** Public Health Assistant Officer, HIT Project, KOICA. Health Instructor, CETVT, Dhangadhai. Clinical Nurse, Indresh Hospital, Dehradun, India.

**Education:** PhD in Effect of Functional Water on Allergic Disease from Yonsei University, Wonju College of Medicine, Republic of Korea in 2019. Combined Degree in Effects of Functional Water on Skin Allergic Disease from Yonsei University, Republic of Korea in 2017. BSc in Nursing from HNB Gadhwal University, Uttarakhand, India in 2013.

**Awards:** Best Poster Award (2018) by Molecular and Cellular Toxicology Society. Best Poster (2017) by Molecular and Cellular Toxicology Society. Best Student Merit Award (2019) by Yonsei University.

**Expertise:** Functional Water. Clinical Research. Public Health.

**Professional Affiliation:** Yonsei University, South Korea. Shree Guru Ram Rai Institute of Medical Science HNB Gadhwal University, India. HIT Project, Koica.

**Correspondence:** **Mailing Address:** Tikapur, Kailai, Block19, Seti, Nepal. Currently Ilsangdong Wonju Si South Korea. **Phone number/Cell:** +821099150719. **E-mail:** johnybajgai@gmail.com



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### 330. Jyoti Bhandari (F; 1982; Kaski, Nepal)

**Category:** Forestry.

**Current Affiliation:** Assistant Professor, Institute of Forestry, Pokhara Campus, Tribhuvan University, Pokhara, Nepal.

**Past Experiences:** Post-Doctoral Research Fellow, CAS, Beijing.

**Education:** PhD in Forestry from China Agriculture University, China in 2015. MSc in Forestry from Tribhuvan University, Institute of Forestry, Pokhara Campus, Nepal in 2010. BSc in Forestry from Institute of Forestry, Pokhara Campus, Tribhuvan University in 2008.

**Awards:** Chinese Government Scholarship (2011-2015) by Chinese Government. WWF Russel E Train Fellowship (2008-2010) by WWF Nepal. Post Doctoral Fellowship (2015-2017) by China Post-Doctoral Fellowship.

**Expertise:** Forestry. Grassland Ecology. Biodiversity.

**Professional Affiliation:** Pokhara Campus, Institute of Forestry, Tribhuvan University, Pokhara. Chinese Academy of Sciences. China Agriculture University.

**Correspondence:** **Mailing Address:** Institute of Forestry, Tribhuvan University, Pokhara. **Phone number/Cell:** 061430571. **E-mail:** jbhandari@iofpc.edu.np



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### 331. Jyoti Giri (F; 1976; Kathmandu, Nepal)

- Category:** Chemistry. Materials Science. Polymer Science (Synthetic and Natural). Biodegradable Polymer. Nanotechnology. Electronic and Plastic Waste Managements.
- Current Affiliation:** Assistant Professor, Tri-Chandra Multiple Campus, Tribhuvan University, Ghantaghar, Kathmandu.
- Past Experiences:** Coordinator of Science Faculty, VS Niketan High School, Kathmandu, Nepal. Chemist, Environment Assessment and Material Testing Division, Soil Test Pvt Ltd.
- Education:** PhD in Wheat Stalk Micro- and Nano-Cellulose Based Biodegradable Polymer Composites Morphological, Mechanical and Degradation Behavior from Tribhuvan University, Nepal in 2019. MSc in Organic Chemistry from Central Department of Chemistry, Tribhuvan University in 2000. BSc in Chemistry, Botany, Zoology from Tri-Chandra Multiple Campus, Tribhuvan University in 1997.
- Awards:** IUPAC Fellowship (2017) by IUPAC. Carl Klason Student Award (2017) by POLYchar 2017. PhD Fellowship (2015) by NAST.
- Expertise:** Materials Analysis (Qualitative and Quantitative). Nanotechnology. Polymer. Natural, Synthetic and Biodegradable E-Waste and Plastic Waste.
- Professional Affiliation:** Tri-Chandra Multiple Campus, Tribhuvan University, Nepal Polymer Institute, Environment Assessment and Materials Testing Division Soil Test Pvt Ltd.
- Correspondence:** **Mailing Address:** Tri-Chandra Multiple Campus, Tribhuvan University, Ghantaghar, Kathmandu, Nepal. **Phone number/Cell:** 9841482378. **E-mail:** girijs@yahoo.com



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### 332. Jyoti Maharjan Prajapati (F; 1972; Kathmandu, Nepal)

- Category:** Biotechnology.
- Current Affiliation:** Senior Scientific Officer, Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal.
- Past Experiences:** Assistant Professor, Kathmandu University.
- Education:** PhD in Biochemistry in 2002 from Sun Moon University, Republic of Korea in 2002. MSc in Chemistry from Central Department of Chemistry, Tribhuvan University, Nepal in 1995. BSc in Biology/Chemistry from Tri-Chandra Campus, Tribhuvan University, Nepal in 1993.
- Awards:** Mahendra Vidhya Bhusan (2002) by Ministry of Education, Government of Nepal.
- Expertise:** Enzymology. Genetic Engineering. Heterologous Protein Expression.
- Professional Affiliation:** Asian Federation of Biotechnology. Biotechnology Society of Nepal. Nepal Chemical Society.
- Correspondence:** **Mailing Address:** 16-Mahapal, Lalitpur, Nepal. **Phone number/Cell:** 9841293003. **E-mail:** jyotimaharjan@yahoo.com



K

**333. Kaji Prasad Ghimire (M; 1960; Okhaldhunga, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Head of Department, Mathematics and Statistics, National Institute of Science and Patan Nistha Campus, Patan, NIST, Bakhundole, Lalitpur-03.

**Past Experiences:** Principal, Patan Nistha Campus and National Institute of Science, Patan NIST. Head of Director of Mathematics and Statistics, National Integrated College, Dillibazar. Visiting Faculty, School of Education, Hattiban, Kathmandu University, Lalitpur.

**Education:** PhD in Mathematics Education-Students' Learning Styles and Views: Effect on Higher Secondary Level Mathematics Achievement from Tribhuvan University, Faculty of Education. University of Evora-Department of Mathematics, Portugal, Nepal in 2018. MPhil in Education-Factors Affecting Students Achievement in Mathematics at Lower Secondary Level, A Study of Grade Eight Students of Kathmandu from School of Education, Kathmandu University, Nepal in 2006. BSc in Physics, Mathematics, Chemistry from Institute of Science and Technology, Tribhuvan University, Nepal in 1991.

**Awards:** Nepal Vidhya Bhusan Award Class 'A' (2018) by President of Nepal. Emmawest Erasmus Mundus (2014) by University of Evora, Portugal. National Education Award (1991) by MOE, Nepal.

**Expertise:** Quantitative Research. Mathematics Teaching and Learning. Mathematics Curriculum.

**Professional Affiliation:** Nepal Mathematical Society, Nepal Mathematics Center, Council of Mathematics Education.

**Correspondence:** **Mailing Address:** 112/12, Kumarinamuna Galli, Kumarigal Kharibot, KMC-07, Kathmandu, Nepal. **Phone number/Cell:** +977015712078/9841524108. **E-mail:** kp\_ghimire@hotmail.com



**334. Kalloo Sharma Subedi (M; 1955; Kaski, Nepal)**

- Category:** Radiology. Radiation Science.
- Current Affiliation:** Chief Consultant Radiologist, Padma Nursing Home, New Road, Pokhara-9, Kaski, Nepal.
- Past Experiences:** Chief Consultant Radiologist (11<sup>th</sup> level), Western Regional Hospital, Pokhara. Regional Director of Health (11<sup>th</sup> level), Western Regional Health Directorate, Pokhara. Chief Specialist (12<sup>th</sup> level), Ministry of Health and Population, Kathmandu.
- Education:** PhD in Radiation Oncology-Usefulness of a Double Dose Contrast Enhanced Magnetic Resonance Imaging for An Accurate Delineation of Gross Tumor Volume in Stereotactic Radiotherapy Treatment Planning of Metastatic Brain Tumors: A Dose Comparison Study from Gunma University, Japan in 2013. DMRD in Diagnostic Radiology from IOM, Tribhuvan University, Nepal in 1992. MD in Medical Science from Crimea State Medical Institute (USSR), Russian Federation in 1982.
- Awards:** Nepal Vidhya Bhusan (2014) by Ministry of Education, Government of Nepal.
- Expertise:** Diagnostic Radiology. Radiation Protection. Cancer Prevention.
- Professional Affiliation:** Padma Nursing Home Pvt Ltd, New Road, Pokhara-9. IAEA, RCA. Cancer Relief Society of Nepal, Kaski Branch.
- Correspondence:** **Mailing Address:** Shiv Marg, Ramghat, Pokhara-10, Kaski, Nepal. **Phone number/Cell:** 061521318/9856035508. **E-mail:** drksharma09@gmail.com



**335. Kalpana Sharma (F; 1977; Kaski, Nepal)**

**Category:** Nursing.

**Current Affiliation:** Vice-Principal Cum Associate Professor, Chitwan Medical College, School of Nursing, Bharatpur, Chitwan.

**Past Experiences:** Assistant Professor, Chitwan Medical College. Lecturer, Chitwan Medical College. Assistant Lecturer, College of Medical Science, Bharatpur.

**Education:** PhD in Quality of Life and Lived Experiences of Patients with Chronic Obstructive Pulmonary Disease in Chitwan, Nepal from Institute of Medicine, Tribhuvan University, Nepal in 2017. MSc in Impact of Antiretroviral Therapy among People Living with HIV and AIDS from Nursing Campus, Institute of Medicine, Tribhuvan University, Maharajgunj, Nepal in 2008. BSc in Awareness and Attitude of School Teachers towards Teaching Sex Education in Schools from BP Koirala Institute of Health Sciences, Dharan, Nepal in 2001.

**Awards:** Nepal Vidhya Bhusan Class-A (2019) by Honorable President of Nepal. PhD Award in Nursing (2018) by Prime Minister of Nepal.

**Expertise:** Research Methodology. Qualitative, Quantitative and Mixed Methods. Medical and Surgical Nursing.

**Professional Affiliation:** Chitwan Medical College, Affiliated to Tribhuvan University. Nepal Nursing Association, Kathmandu.

**Correspondence:** **Mailing Address:** Bharatpur-10, Chitwan, Nepal. **Phone number/Cell:** 9845023118. **E-mail:** paudelkalpana@yahoo.com



**336. Kalyan Shrestha (M; 1987; Morang, Nepal)**

- Category:** Computational Fluid Dynamics. Turbulence. Physical Oceanography. Aerospace Engineering.
- Current Affiliation:** Post-Doctoral Research Associate, University of Washington, Seattle, WA 98195.
- Past Experiences:** Post-Doctoral Research Associate, University of Washington, USA. Post-Doctoral Research Associate, University of Texas at Dallas, USA. Research Assistant, Lille 1 University of Sciences and Technologies, France.
- Education:** PhD in Simulation of Wall-Bounded Turbulent Convective Flows by Finite Volume Lattice Boltzmann Method from Lille 1 University of Sciences and Technologies, France in 2015. MSc in Investigation of The Accuracy of RANS Models for Under-Expanded Jet Injected Into a Supersonic Cross-Flow from Cranfield University, United Kingdom in 2011. BE in Design and fabrication of Two-Seater, Experimental, Amateur-Built Aircraft from Scratch from Hindustan College of Engineering (affiliated to Anna University), India in 2009.
- Awards:** Nepal Vidhya Bhusan Padak 'Ka' (2019) by Honorable President of Nepal. MSc in CFD Scientific Visualization Prize for The Academic year (2011) by Cranfield University, UK. Letter of Appreciation for Designing and Fabricating First Student-Built Two-Seater, Experimental Aircraft in India (2009) by Hindustan University.
- Expertise:** Computational Fluid Dynamics. Oceanic and Atmospheric Turbulence. Aerospace Engineering.
- Professional Affiliation:** University of Washington, Seattle, USA. University of Texas at Dallas, Texas, USA. Lille 1 University of Sciences and Technologies, Lille, France.
- Correspondence:** **Mailing Address:** 12544 15th Ave NE, Apt 216, Seattle WA 98125. **Phone number/Cell:** 014697405614. **E-mail:** 2kalyanshrestha@gmail.com



**337. Kalyani Mishra Tripathi (F; 1965; Chitwan, Nepal)**

**Category:** Horticulture.

**Current Affiliation:** Assistant Dean Academic, Faculty of Agriculture, Agriculture and Forestry University, Chitwan.

**Past Experiences:** Program in Charge, Women Rehabilitation Centre (NGO) Sikhar Besi, Nuwakot, Nepal. Proprietor, Everest Vermi-Tech Centre, Nepal. Member, Executive Committee, Nepal Agricultural Research Council (NARC).

**Education:** PhD in Evaluation of Horticultural Waste and Earthworm Species for Vermicomposting and Subsequent use of Vermicompost for Vegetable Production in Nepal from TU Supported by CQ University Australia, Nepal in 2016. MSc in Offseason Lime Production from IAAS, Tribhuvan University, Nepal in 2003. BSc in Agriculture from IAAS Tribhuvan University in 1990.

**Awards:** Meritorious Student Award (Merit Scholarships 1987-1990) by Institute of Agriculture and Animal Science (IAAS), Tribhuvan University, Nepal Vidhya Bhusan (2018) by President of Nepal. Suprabhal Janasewa Shree (2019) by President of Nepal.

**Expertise:** Organic Vegetable Production. Fruit Production and Post Harvest Management. Biowaste Recycling for Biofertilizer using Vermicomposting Technique (Waste Management). Floriculture and Ornamental Horticulture.

**Professional Affiliation:** Member, Nepal Horticulture Society. Member (2014-2016), Executive committee, Nepal Agricultural Research Council (NARC). Member (2009-2017), Executive Committee, Federation of Nepal Cottage and Small Industries (FNCSI).

**Correspondence:** **Mailing Address:** Agriculture and Forestry University, Rampur, Chitwan, Nepal. **Phone number/Cell:** 9855065137. **E-mail:** kmishra@afu.edu.np



### 338. Kamal Bahadur Thapa (M; 1968; Chitwan, Nepal)

**Category:** Engineering.

**Current Affiliation:** Shaha Pradhyapak, Pulchowk Campus, Institute of Engineering, Tribhuvan University.

**Past Experiences:** Upa-Pradhyapak, Purbanchal Campus, Institute of Engineering. Shaha-Pradhyapak, Pulchowk Campus, Institute of Engineering.

**Education:** PhD (Integrated MS/PhD) in Civil Engineering (Structure)-Constitutive Modeling of Concrete Material from North Dakota State University, United States in 2010. BE in Civil Engineering from University of Mysore, India in 1993.

**Awards:** Project of The Year-BE Final Year Project (1993) by Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, India.

**Expertise:** Damage and Plasticity Modeling. Brittle Materials-Concrete. Glass Fibre. Woven Composites. Fatigue Damage Modeling.

**Professional Affiliation:** Pulchowk Campus, Institute of Engineering, Tribhuvan University, Lalitpur.

**Correspondence:** **Mailing Address:** Department of Civil Engineering, Pulchowk Campus, Pulchowk, Lalitpur, Nepal. **Phone number/Cell:** 9843299612. **E-mail:** kamal.thapa@ioe.edu.np



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### 339. Kamal Prasad Adhikari (M; 1986; Dhading, Nepal)

**Category:** Agriculture.

**Current Affiliation:** Research Scientist, Manaaki Whenua-Landcare Research, Palmerston North, New Zealand.

**Past Experiences:** Program Coordinator, ICDC Nepal.

**Education:** PhD in Soil Science from Massey University, New Zealand in 2019. Masters in Organic Agriculture and Food Systems from University of Hohenheim, Germany in 2014. Bachelor Degree in Agriculture from Tribhuvan University, Nepal in 2009.

**Awards:** Excellence in Reviewing (2017) by Water, Air, and Soil Pollution-International Journal.

**Expertise:** Agricultural Greenhouse Mitigations. Soil Nutrient Management.

**Professional Affiliation:** Executive Member, Agriculture Promotion Committee. NRNA International Coordination Council. Member, New Zealand Soil Science Society.

**Correspondence:** **Mailing Address:** Palmerston North, New Zealand. **Phone number/Cell:** 0064221824665. **E-mail:** Adhikari.kamal5@gmail.com



**340. Kamal Prasad Acharya (M; 1978; Kaski, Nepal)**

**Category:** Ecology.

**Current Affiliation:** Associate Professor, Western Norway University of Applied Sciences, Bergen, Norway.

**Past Experiences:** Project Coordinator, Everest Biodiesel Company Ltd. Project Officer, Development Center Nepal. Research Assistant, IUCN Nepal.

**Education:** PhD in Invasion ecology from Norwegian University of Science and Technology, Norway in 2014. MSc in Evolution, Ecology and Biodiversity from University of Bergen, Norway in 2008. BSc in Plant Ecology from Amrit Science Campus, Nepal in 2000.

**Awards:** Krishna Chandra Best Thesis Award (2004) by Tribhuvan University. Nepal Vidhya Bhusan (2008) by Government of Nepal.

**Expertise:** Community Ecology. Invasion Ecology. Biodiversity Conservation.

**Professional Affiliation:** Associate Professor, Western Norway University of Applied Sciences, Bergen, Norway.

**Correspondence:** **Mailing Address:** Western Norway University of Applied Sciences, Bergen, Norway. **Phone number/Cell:** +4745134086. **E-mail:** acharya.kamal@gmail.com



**341. Kanchan Mishra (M; 1980; Bhaktapur, Nepal)**

**Category:** Chemical Engineering.

**Current Affiliation:** Post-Doctoral Associate, Yeungnam University, Organic Materials Synthesis Lab, School of Chemical Engineering, Yeungnam University, Gyeongbuk 38541 Republic of Korea.

**Past Experiences:** Research and Development Officer, Deurali-Janta Pharmaceuticals Ltd. QC Officer, Vijayadeep Laboratories Ltd.

**Education:** PhD in Chemical Engineering from Yeungnam University, Republic of Korea in 2018. MSc in Organic Chemistry from Tribhuvan University, Nepal in 2004. BSc in Chemistry, Zoology, Botany from Tribhuvan University, Nepal in 2002.

**Awards:** BK 21 (Brain Korea 21) Scholarships for PhD Programme (2014-2016) by Brain Korea 21. Outstanding Foreign Scholarships for PhD Programme (2014-2016) by Yeungnam University. Excellent Performance in the Research and Development Department (2013) by Deurali Janta Pharmaceutical Pvt Ltd.

**Expertise:** Synthesis of Heterogeneous Nanocatalysts. Characterization of Nanocatalysts using Advanced Techniques (TEM, SEM, AFM, XPS, XRD, Raman, ICP-AES, BET, FTIR, UV-Vis). Nanocatalysts for Organic Transformations.

**Professional Affiliation:** Organic Materials Synthesis Lab, School of Chemical Engineering Yeungnam University, Gyeongsan Gyeongbuk 38541 Republic of Korea.

**Correspondence:** **Mailing Address:** Organic Materials Synthesis Lab, #313 School of Chemical Engineering Yeungnam University, Gyeongsan Gyeongbuk 38541 Republic of Korea. **Phone number/Cell:** +821021809843. **E-mail:** miskanchan@gmail.com



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**342. Kanchan Prasad Adhikari (M; 1971; Kathmandu, Nepal)**

**Category:** Medical Physics.

**Current Affiliation:** Associate Professor, Medical Physics, National Academy of Medical Sciences, Bir Hospital, Kathmandu.

**Past Experiences:** Regular Associate Medical Physics, International Center for Theroretical Physics (ICTP), Italy. Scientific Committee Member, Asia-Oceania Organization of Medical Physicist (AFOMP). Reviewer, International Cancer Technology Transfer Fellowships (ICRETT), International Union Against Cancer (UICC).

**Education:** PhD in Radiation Physics from Tribhuvan University, Nepal in 2014. MSc in Physics from Dr RML Avadh University, India in 1996. BSc in Physics, Chemistry, Mathematics from Dr RML Avadh University, India in 1994.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2016) by Government of Nepal.

**Expertise:** Medical Physics. Treatment Planning in Radiotherapy. Radiation Protection. Quality Control. Quality Assurance in Radiology. Radiation Therapy and Nuclear Medicine. Teaching and Research in Medical Radiation Physics. Security of Radioactive Sources.

**Professional Affiliation:** Committee Member, International Medical Physics Certification Board (IMPCB). General Secretary, Nepalese Association of Medical Physicist (NAMP). Editorial Board Member, Radiation Regulator, International, RPD Publication United Kingdom.

**Correspondence:** **Mailing Address:** House No 225, Ambika Marg, Purano Baneshwor, Kathmandu, Nepal. **Phone number/Cell:** 9851144800. **E-mail:** kanchanadhikari@gmail.com

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**343. Kanchha Bhai Manandhar (M; 1974; Kavrepalanchok, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Assistant Professor, Kathmandu University, Kavre, Nepal.

**Past Experiences:** Lecturer, Kavre Multiple Campus, Tribhuvan University, Banepa. Lecturer, Chaitya Muliple Campus, Tribhuvan University, Banepa.

**Education:** PhD in Some Fixed Point Results in Fuzzy Metric Space from Kathmandu University, Nepal in 2015. MSc in Mathematics from Tribhuvan University, Nepal in 2002. BSc in Mathematics, Physics, Statistics from Tribhuvan University in 1997.

**Awards:** PhD Philosophy Award (2012) by UGC, Nepal. Nepak Vidhya Bhusan (2016) by President of Nepal.

**Expertise:** Fuzzy Set and Fuzzy Logic. Non Linear Functional Analysis. Fixed Point Theory on Fuzzy Metric Space.

**Professional Affiliation:** Kathmandu University, Dhulikhel, Kavre, Nepal.

**Correspondence:** **Mailing Address:** Banepa-08, Kavre, Nepal. **Phone number/Cell:** 011662564/9841274389. **E-mail:** kb.manandhar@ku.edu.np

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### 344. Kanhaiya Jha (M; 1967; Saptari, Nepal)

**Category:** Science. Mathematics.

**Current Affiliation:** Professor, School of Science, Kathmandu University, Kavre, Kathmandu, Nepal.

**Past Experiences:** Associate Professor, School of Science, Kathmandu University. Lecturer, School of Science, Kathmandu University. Assistant Lecturer, Balmikie Campus, Nepal Sanskrit University.

**Education:** PhD in Some Results in Fixed Point Theory and its Applications to Approximation Theory from Kumaon University, Nainital, Uttarakhand, India in 2004. MSc in Mathematics from Central Department of Mathematics, Tribhuvan University, Nepal in 1992. BSc in Physical Group from Patan Multiple Campus, Tribhuvan University in 1990.

**Awards:** Third World Academy of Sciences (TWAS) (2005) by Nepal Academy of Science and Technology. National Education Service Award (2008) by Ministry of Education, Science and Technology, The Government of Nepal. Malteser International Service Award (2015) by Malteser International, Germany.

**Expertise:** Analysis and Applications. Fixed Point Theory and Its Applications to Other Disciplines. Fuzzy Mathematics with Applications. History of Mathematics with Vedic Connections. Mathematics Education.

**Professional Affiliation:** The Indian Mathematical Society, Pune University, India. The Indian Society of History of Mathematics, University of Delhi, India. Nepal Mathematical Society, Kathmandu.

**Correspondence:** **Mailing Address:** School of Science, Kathmandu University, Kathmandu, Nepal. **Phone number/Cell:** 9841708057. **E-mail:** jhakn@ku.edu.np



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### 345. Kanhaiya Prasad Singh (M; 1962; Saptari, Nepal)

**Category:** Vegetable Science.

**Current Affiliation:** Campus Chief, Institute of Agriculture and Animal Science, Paklihawa Campus, Bhairahawa, Rupandehi, Institute of Agriculture and Animal Science, Paklihawa Campus, Bhairahawa, Rupandehi.

**Past Experiences:** Campus Chief, Paklihawa Campus, Bhairahawa, Institute of Agriculture and Animal Science, Rupandehi.

**Education:** PhD in Vegetable Science from Narendradev University of Agriculture & Technology, India in 1999. MSc in Vegetable Science from Narendradev University of Agriculture & Technology, India in 1984. BScAg from Narendradev University of Agriculture & Technology, India in 1982.

**Awards:** Gold Medal (1982) by National Seed Company India.

**Expertise:** Vegetable Crop Protection Technology. Vegetable Science.

**Professional Affiliation:** Member, Indian Society of Vegetable Science. Member, Nepal Red Cross Society. Member, Horticulture Society of Nepal.

**Correspondence:** **Mailing Address:** Siddhartha-1 Rupandehi, Nepal. **Phone number/Cell:** 9857010291. **E-mail:** iaaspaklihawacampus035@gmail.com



**346. Kanti Sapkota (F; 1982; Kaski, Nepal)**

**Category:** Chemistry. Chemical Engineering.

**Current Affiliation:** Post-Doctoral Associate, Yeungnam University, 280 Daehak-Ro, Gyeongsan, Gyeongbuk 38541, Republic of Korea.

**Past Experiences:** Post-Doctoral Researcher, Yeungnam University, South Korea. PhD Scholar, Yeungnam University, South Korea.

**Education:** PhD in Material Chemistry, Nano Chemistry, Tissue Engineering from Yeungnam University, Republic of Korea in 2018. MSc in Inorganic Chemistry from Tribhuvan University in 2009. BSc in Chemistry from Tri-Chandra College in 2007.

**Awards:** Yeungnam University Post Doctoral Research Fellowship (2018) by Yeungnam University, South Korea. Outstanding Foreign Student with 100% Scholarship for PhD Degree (2015) by Yeungnam University, South Korea.

**Expertise:** Material Chemistry. Nano Chemistry. Tissue Engineering.

**Correspondence:** **Mailing Address:** Hemja, Suikhet Bansboatchowk, Kaski, Nepal. **Phone number/Cell:** +17864038361. **E-mail:** sapkotakanti@gmail.com



**347. Kanti Shrestha (F; 1962; Lalitpur, Nepal)**



- Category:** Natural Products Chemistry. Medicinal Chemistry. Advanced Analytical Chemistry. Biotechnology and Food Chemistry.
- Current Affiliation:** Chief Scientific Officer (First Class Officer), Nepal Academy of Science and Technology, Khumaltar, Lalitpur.
- Past Experiences:** Senior Scientific Officer and Scientific Officer, Nepal Academy of Science and Technology. Trainer, First Responder in Chemical Emergency (April 2018), OPCW, Hague, the Netherlands and Ministry of Foreign Affairs, Government of Nepal. Research Fellow on Chemical Management (2007), KEMI, Stockholm University, Sweden under Fellowship from Swedish SIDA. PhD Research Fellow, Central Drug Research Institute (CDRI) and Industrial Toxicology Research Center (ITRC), Lucknow (1997-2000) under CSIR and TWAS Fellowship from India and Italy. Post Graduate Fellow on Advanced Analytical Chemistry, VERIFIN, University of Helsinki, Finland (1995, 1996) under the Fellowship of Ministry for Foreign Affairs, Government of Finland. Chemist (1989) at Department of Mines and Geology, Lainchaur, Kathmandu.
- Education:** PhD in Natural Products Chemistry–Anticancer Compounds and their Precursors from Himalayan Conifers and Symbiotically Associated Endophytic Fungi of Nepal under Sandwich Program with Montana State University, USA and CSIR India, Nepal in 2002. MSc in Organic Chemistry from Tribhuvan University in 1988. BSc in Microbiology, Zoology, Chemistry from Tribhuvan University in 1991.
- Awards:** National Honor ‘Suprawal Jana Sewa Shree Padak’ and Gold Medal (2018) by Rt Honorable President Bidhya Devi Bhandari of Nepal. TWAS Young Scientist Award (2002) by Rt. Honorable Prime Minister Sher Bahadur Deuba. The Highest Educational Award and Gold Medal, Mahendra Vidhya Bhushan ‘Ka’ (2003) decorated by His Majesty the King Gyanendra Bir Bikram Shah Dev of Nepal.
- Expertise:** MAPs. Value Addition and Products Development. Herbal Medicine. Advanced Modern Techniques of Chromatography and Spectroscopy. LC-MS/MS. GC-FTIR. GC-MS/MS. HPLC. ICP-MS. 2D-NMR. AAS. *In-Vitro* and *In-Vivo* Bioassays. Human Tumor Cell Lines. CIEIA. ELISA. PCR. MTT Test. Biopesticides. Allelopathic Effects. Pesticide Residue Analysis. Super-Critical Extraction. SPE Techniques for Human and Plant Samples. Human Stem Cells. International Conventions Related to Chemicals. Intellectual Property Rights. Analysis of Environmental Air and Gas samples. CWC. Tear Gasses. CFCs. Natural and Synthetic Polymers. PMMA for Eye-lenses. Fatty Acid Profiling. Bio-energy. Chemistry of Gemstones. Supervised Research on Basic and Applied Sciences for MSc and PhD. Lab Accreditation. Lead Assessor of ISO/IEC 17025:2005.
- Professional Affiliation:** Member, TWOWS, Italy since 1991. Life Member, Nepal Chemical Society, Kathmandu. Chinese Academy of Sciences (CAS), China.
- Mailing Address:** **Phone number/Cell:** 01-5547714/9841554587/9851163250.  
**E-mail:** kantishrestha2006@gmail.com

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**348. Kapil Adhikari (M; 1980; Kaski, Nepal)**

**Category:** Physics.

**Current Affiliation:** Faculty, PN Campus, Tribhuvan University, Pokhara.

**Past Experiences:** Post-Doctoral Research Scientist, Texas A and M University at Qatar, Doha, Qatar. Post-Doctoral Fellow, University of Delaware, Delaware, NE, USA. Post-Doctoral Fellow and Non-Tenure-Track Instructor, Michigan Technological University, Houghton, MI, USA.



**Education:** PhD in Silicon Carbide at Nanoscale, Finite Single-Walled to Infinite Multi-Walled Tubes from University of Texas at Arlington, United States in 2012. MSc in Surface Modification of Polycarbonate by Low Pressure DC Glow Discharge from Tribhuvan University, Nepal in 2007. BSc in Physics from Tribhuvan University in 2002.

**Awards:** Pruett Post-Doctoral Fellowship (2013) by Michigan Technological University. Graduate Dean's Dissertation Fellowship (2012) by University of Texas at Arlington. John D McNutt Memorial Scholarship (2010) by University of Texas at Arlington.

**Expertise:** Computational Material Science. Science Policy. Data Science.

**Professional Affiliation:** Member, American Physical Society. Member, American Chemical Society. Coordinator, Physics Research Initiatives, Pokhara.

**Correspondence:** **Mailing Address:** PO Box 502, Pashchimanchal Foundation, Pokhara, Kaski, Nepal. **Phone number/Cell:** 9866041072. **E-mail:** kapil.061@gmail.com

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**349. Karna Prasad Dahal (M; 1984; Lalitpur, Nepal)**

**Category:** Energy System Analysis. Climate Science.

**Current Affiliation:** Post-Doctoral Researcher, Chalmers University of Technology, Hörselgängen 4, 41756, Gothenburg, Sweden.

**Past Experiences:** Doctoral Candidate, University of Helsinki. Research and Development Engineer, Jevon Oy. Bachelor's Thesis Project, Helsinki Region Environmental Services Authority (HSY).



**Education:** PhD in Practices and Policies for Carbon Neutrality: Energy transition in the Helsinki Metropolitan area from University of Helsinki, Finland in 2018. MTech in Energy Technology from Lappeenranta University of Technology, Finland in 2014. BE in Environmental Engineering from Metropolia University of Applied Sciences, Finland in 2012.

**Awards:** Best Paper Award (2017) by Sustainable Development Network (SDSN) and the Global Association of Master's in Development Practice Programs (MDP) at Columbia University. Outstanding Working Award (2014) by Jevon Oy. Full Tuition Fee Scholarship (2012) by Lappeenranta University of Technology.

**Expertise:** Energy Systems Analysis. Climate Policies Research. Water Treatment. Indoor Air Quality Research.

**Correspondence:** **Mailing Address:** Bååthsgatan 9, 41720, Gothenburg, Sweden. **Phone number/Cell:** +358445131755. **E-mail:** dahalkarna@yahoo.com

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**350. Kashinath Chiluwal (M; 1978; Lamjung, Nepal)**

**Category:** Agricultural Entomology.

**Current Affiliation:** Scientist (S-1), Nepal Agricultural Research Council, Regional Agricultural Research Station, Lumle, Kaski.

**Past Experiences:** Senior Researcher, Gyeongsang National University. Project Coordinator, Group of Helping Hands (SAHAS) Nepal. District Agronomist, Food and Agriculture Organization (FAO).

**Education:** PhD in Behavioral Response of *Callosobruchus chinensis* (Coleoptera: bruchidae) to its Female Sex Pheromone Components and Plant Essential Oil Components, and Synergistic Fumigation Effect of Ethyl Formate and Methyl Salicylate from Gyeongsang National University, Republic of Korea in 2018. MSc in Biology-Field Loss Assessment and Management of Potato Leaf Miner Fly from Tribhuvan University, Nepal in 2009. BSc from Tribhuvan University, Nepal in 2003.

**Awards:** PhD Scholarship (2015-2018) by Brain Korea 21+. Best Presentation Award (2016) by Korean Society of Applied Entomology. Best Presentation Award (2017) by Korean Society of Applied Entomology.

**Expertise:** Identification and use of Insect Pheromones in Insect Pest Management. Use of Plant Essential Oil and Components in Insect Pest Management. Safer Fumigation for The Insect-Pest Free Post-Harvest Products.

**Professional Affiliation:** Member, Korean Society of Applied Entomology. Member, Society of Agricultural Scientists (SAS) Nepal.

**Correspondence:** **Mailing Address:** Nepal Agricultural Research Council, Regional Agricultural Research Station, Lumle, Kaski, Nepal. **Phone number/Cell:** 9864889152. **E-mail:** knchilu@gmail.com



### 351. Kedar Dahal (M; 1969; Jhapa, Nepal)

**Category:** Urban Planning.

**Current Affiliation:** Associate Professor, Department of Geography, Tri-Chandra Multiple Campus, Tribhuvan University, Kathmandu.

**Past Experiences:** Associate Professor, Tribhuvan University. Head, Department of Geography, Tri-Chandra Multiple Campus. Researcher Team Leader, Different Government and Non-Government Organization, Private Consultants.

**Education:** PhD in Poor Communities and Livelihood in Urban Context, Kathmandu Metropolitan City Nepal from University of Delhi, Delhi School of Economics, India in 2012. MSc in Urban Planning from University of Hong Kong, Hong Kong in 2002. BA in Geography from Tribhuvan University in 1991.

**Awards:** Nepal Vidhya Bhusan 'Kha' (1993) and 'Ka' (2014) by Ministry of Education, Nepal. PhD Fellowship (2008-2011) by University Grant Commission (UGC), Nepal. Asian Development Bank, Japan Scholarship (2000-2002) by Asian Development Bank-Japan Scholarship.

**Expertise:** Urban Planning and Development. Land Use Planning. Land use Zoning. Regional Planning and Development.

**Professional Affiliation:** Alumni, Asian Development Bank/Japan Scholarship Programme, Nepal Geographical Society. Alumni, Institute of Housing and Urban Development Studies (IHS), Erasmus University Rotterdam, the Netherlands. Alumni, Centre of Urban Planning and Environmental Management (CUPEM), University of Hong Kong.

**Correspondence:** **Mailing Address:** Department of Geography, Tri-Chandra Multiple Campus, Tribhuvan University, Kathmandu, Nepal. **Phone number/Cell:** 9841287037. **E-mail:** kedar.geog@gmail.com



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### 352. Kedar Nath Dhakal (M; 1983; Terhathum, Nepal)

**Category:** Chemistry.

**Current Affiliation:** PhD Scholar, Leibniz-Institut für Polymerforschung Dresden EV, Hohe Str. 6, 01069 Dresden, Germany.

**Past Experiences:** Teaching Assistant, Tri-Chandra Multiple Campus, Tribhuvan University, Ghantaghar, Kathmandu, Nepal.

**Education:** PhD in Functional Polymer Composites and Blends from Leibniz-Institut Für Polymerforschung Dresden EV, Germany in 2019. MSc in Physical Chemistry from Tribhuvan University, Nepal in 2006. BSc in Chemistry from Tribhuvan University in 2004.

**Expertise:** Electrically Conducting and Piezoresistive Polymer Nanocomposites for Strain Sensing Application.

**Professional Affiliation:** Nepal Polymer Institute.

**Correspondence:** **Mailing Address:** Deubener Str.-7, Dresden, Germany. **Phone number/Cell:** +4917643428715. **E-mail:** kedarchemistry@gmail.com



**353. Kedar Prasad Rijal (M; 1962; Dhading, Nepal)**

**Category:** Environmental Science.

**Current Affiliation:** Professor, Central Department of Environmental Science, Tribhuvan University, Kirtipur, Kathmandu.

**Past Experiences:** Professor and Head, Central Department of Environmental Science, Tribhuvan University.

**Education:** PhD in Environmental Modelling from Pune University, India in 2010. MSc in Statistics and Environmental Science Management from Tribhuvan University and Griffith University, Australia in 2001. BSc in Statistics from TU, Nepal in 1988.

**Expertise:** Environmental Pollution. Climate Change. Environmental Management.

**Correspondence:** **Mailing Address:** Tokha-11, Kathmandu, Nepal. **Phone number/Cell:** 9841372943. **E-mail:** krijal@cdes.edu.np



**354. Keshab Bhattarai (M; 1984; Kaski, Nepal)**

**Category:** Nutrition Science.

**Past Experiences:** Research Scientist, Faculty of Agriculture, Ehime University, Japan. Research Assistant, Nutrition Science Laboratory, Ehime University, Japan. Lecturer, Asian Institute of Technology and Management (AITM), Lalitpur, Nepal.

**Education:** PhD in Nutritional and Physiological Effects of Isoflavone and The Mechanisms from Ehime University, Japan in 2017. MSc in Biotechnology-Phytochemical Investigation of two Higher Medicinal Plants of Himalayan Region from Kathmandu University, Nepal in 2010. BSc in Biochemistry-Mutagenic Effect of Sodium Azide in *Streptomyces* species Isolated from Everest Base Camp, Nepal from Universal Science College, Pokhara University, Nepal in 2006.

**Awards:** Academic Excellence Award 'Kha' (2011) by Ministry of Education, Nepal and Presented by Honorary President of Nepal Dr. Ram Baran Yadav. MEXT Scholarship (Monbukagakusho) (2014) by Ministry of Education, Culture, Sports, Science and Technology, Japan for PhD.

**Expertise:** Nutrition. Molecular Biology. Biochemistry.

**Correspondence:** **Mailing Address:** Block No-96, Matepani, Pokhara-12, Nepal. **Phone number/Cell:** 9841709360. **E-mail:** drbhattaraikeshab@gmail.com



**355. Keshab Deuba (M; 1985; Kailali, Nepal)**

**Category:** Public Health. Epidemiology. Research.

**Current Affiliation:** Strategic Information Specialist, Save the Children International Stationed at National Centre for AIDS and STD Control, Teku, Kathmandu.

**Past Experiences:** Research Fellow, Department of Global Public Health, Karolinska Institutet, Stockholm, Sweden. Consultant, International Planned Parenthood Federation (IPPF), Malaysia. Head Researcher, Public Health and Environment Research Center, Kathmandu, Nepal.

**Education:** PhD in Public Health-HIV Trends, Risk Behaviours, Social Structural Barriers and Retention in HIV Care Among Key Populations in the Asia-Pacific Region from Department of Global Public Health, Karolinska Institutet, Stockholm, Sweden in 2017. MSc in Epidemiology-Trends in HIV Prevalence and Risk Behaviors Among Vulnerable Young People 2001-2010, Summarizing The Possible Impact of Behavioral Interventions from Department of Global Public Health, Karolinska Institutet, Stockholm, Sweden in 2012. BSc in Public Health-Individual-level, Social-Capital, and Social-Structural Factors Effects on HIV Risk Behaviors Among Gender and Sexual Minorities in Nepal from Nobel College, Pokhara University in 2009.

**Awards:** Research Fellowship from Göran Sterky Foundation (2013) by Division of Global Health, Karolinska Institutet. Received Award to Attend the Swedish Research School for Global Health-A Partnership Between Umeå University, Karolinska Institutet and Lund University (2014) by Umeå University, Sweden. Research Apprenticeship from Netherlands Development Organization (2009) by Norwegian Embassy, Nepal.

**Expertise:** Public Health. Epidemiology. Research.

**Professional Affiliation:** Save the Children, Kathmandu, Nepal. Division of Global Health, Karolinska Institutet.

**Correspondence:** **Mailing Address:** Dhangadhi, Kailali-5, Nepal. **Phone number/Cell:** 9843064279. **E-mail:** deuba4k@gmail.com



### 356. Keshar Prasain (M; 1974; Jhapa, Nepal)

**Category:** Chemistry.

**Current Affiliation:** Vice-Principal, Kantipur Engineering College, Dhapakhel, Lalitpur.

**Past Experiences:** Instructor of Chemistry, University of Northern Iowa, Cedar Falls, Iowa, USA. Teaching Assistant, Kansas State University, Manhattan, Kansas, USA. Lecturer of Chemistry, Jaya Multiple Campus, Jorpati, Kathmandu.

**Education:** PhD in Synthesis and Bioevaluation of Laccase Substrates and Substituted Quinolines from Kansas State University, United States in 2013. MSc from Central Department of Chemistry, Tribhuvan University in 2001. BSc from Tri-Chandra College, Tribhuvan University in 1997.

**Awards:** Nepal Vidhya Bhusan (2014) by Ministry of Education, Nepal. Graduate Research Award (2011) by Kansas State University, USA. Graduate Classroom Award (2009) by Kansas State University, USA.

**Expertise:** Synthesis of Laccase Inhibitors. Anticancer Drugs and Peptides. Biodegradable Polymers from Triglycerides. Bio-Evaluation of Drugs in Different Organs of Mice using HPLC.

**Professional Affiliation:** Nepal Chemical Society.

**Correspondence:** **Mailing Address:** Kantipur Engineering College, Dhapakhel, Lalitpur, Nepal. **Phone number/Cell:** 9843664825. **E-mail:** kesharprasain@kec.edu.np



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### 357. Keshar Singh Rana (M; 1961; Surkhet, Nepal)

**Category:** Mathematics.

**Current Affiliation:** Member, Mid-Western University Service Commission, Birendranagar-12, Surkhet Nepal.

**Past Experiences:** Principal, Jana Higher Secondary School, Birendranagar Surkhet. Campus Chief, Birendranagar Multiple Campus, Birendranagar Surkhet. Dean, Faculty of Science and Technology, Mid-Western University, Surkhet.

**Education:** PhD in A Study to Pairwise C-type Separation Properties in Bi-topological Spaces from Magadh University, Bodhgaya, India in 2011. MSc from DBS College Dehradun, Garhwal University, India in 1985. BSc from DBS College Dehradun, Garhwal University in 1983.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2018) by Government of Nepal.

**Expertise:** Pairwise C-type Separation Properties in Bi-topological Spaces.

**Professional Affiliation:** Jana Higher Secondary School Birendranagar, Surkhet, Birendranagar Multiple Campus Birendranagar. Central Campus of Science and Technology, Mid-Western University, Birendranagar.

**Correspondence:** **Mailing Address:** Birendranagar-12, Surkhet, Nepal. **Phone number/Cell:** 9848047488. **E-mail:** kesharrana582@gmail.com



**358. Keshav Basnet (M; 1977; Kaski, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Assistant Professor, Pashchimanchal Campus, IoE, Tribhuvan University, Lamachaur, Pokhara, Nepal.

**Past Experiences:** Post-Doctoral Research Associate, University of Tennessee, TN, USA. Research Assistant and Teaching Assistant, The University of Iowa, IA, USA. Research Assistant, and Teaching Assistant, University of Wyoming, WY, USA.

**Education:** PhD in Civil Engineering (Hydraulics) from The University of Iowa, United States in 2015. MSc in Civil Engineering from University of Wyoming, United States in 2010. BE in Civil Engineering from Pokhara University in 2007.

**Awards:** Gold Medal, Nepal Vidhya Bhusan 'Ka' (2017) by Government of Nepal. Graduate College Post-Comprehensive Summer Research Award (2015) by University of Iowa.

**Expertise:** Storm Water Management in Urban Areas of Nepal. Flood Risk Management. River Flow Analysis. Hydraulic Modeling. Hydrologic Modeling Including Computational Fluid Dynamics.

**Professional Affiliation:** Life Member, Nepal Engineers' Association. Berkner Member, American Geophysical Union, USA. Base Member, International Association for Hydro-Environment Engineering and Research, China.

**Correspondence:** **Mailing Address:** Pashchimanchal Campus, Lamachaur, Pokhara, Nepal. **Phone number/Cell:** 9856020900. **E-mail:** basnet.keshav@gmail.com



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**359. Keshava Chandra Sharma (M; 1938; Siraha, Nepal)**

**Category:** Entomology. Pesticides. Biological Control.

**Current Affiliation:** Academician, Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal.

**Past Experiences:** Chief Entomologist, Department of Agriculture, Nepal. Deputy Director General, Department of Agriculture. Director, Directorate of Plant Protection, Department of Agriculture.

**Education:** PhD in Biology of Aphid and *Aphis fabae* group from Imperial College of Science and Technology, United Kingdom in 1971. MSc in Zoology (Entomology) from Patna University, India in 1958. BSc in Botany, Zoology and Chemistry from Tri-Chandra College in 1956.

**Awards:** Mahendra Vidhya Bhusan 'Ka' (1972) by HM King Birendra.

**Expertise:** Aphids. Biology. Pesticide.

**Professional Affiliation:** Co-Founder Member and President, Entomological Society of Nepal, 1980-1983. Life Member, Nepal Association. Member, South and Eastern Regional Section International Organization for Biological Control of Noxious Animals and Plants 1989-1992.

**Correspondence:** **Mailing Address:** New Baneshwor, Kathmandu, Nepal. **Phone number/Cell:** 9808975334. **E-mail:** nayaba13@yahoo.com



**360. Khaga Raj Sharma (M; 1971; Baglung, Nepal)**

**Category:** Organic Chemistry. Natural Products Chemistry.

**Current Affiliation:** Assistant Professor, Central Department of Chemistry, Tribhuvan University, Kirtipur, Kathmandu.

**Past Experiences:** Head, Science Department, Balkumari College, Tribhuvan University, Narayangardh, Chitwan. Lecturer, Birendra Multiple Campus, Tribhuvan University, Bharatpur, Chitwan. Part Time Lecturer, Shree Medical and Technical College, Purbanchal University, Chitwan.

**Education:** PhD in Natural Product Chemistry-Screening of Some Selected Medicinal Plants of Nepal For Their Antioxidant and Anticancer Activities and Identification of Active Compounds from Tribhuvan University, in 2017. MSc in Organic Chemistry from Tribhuvan University in 1996. BSc in Chemistry, Botany, Zoology from Tribhuvan Multiple Campus, Palpa in 1994.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2019) by President of Nepal. Best Poster Presentation (2015) by International Workshop on Science, Environment and Education (IWOSEE). Best Oral Presentation (2015) by National Seminar on Recent Advances in Material Research (RAMR), Gorakhpur India.

**Expertise:** Teaching Organic Chemistry. Extraction, Isolation and Purification of Natural Products. Structure Elucidation of Various Natural Products and Exploring their Biological Activities.

**Professional Affiliation:** Central Department of Chemistry, Tribhuvan University, Kirtipur. HEJ Research Institute of Chemistry, ICCBS, University of Karachi, Pakistan. Balkumari College, Tribhuvan University, Chitwan, Nepal.

**Correspondence:** **Mailing Address:** Central Department of Chemistry, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 9845049876. **E-mail:** khagaraj\_sharma33@yahoo.com



**361. Khagendra Tripathi (M; 1982; Kavrepalanchok, Nepal)**

**Category:** Physics. Material Science and Engineering.

**Past Experiences:** Research Fellow, KAIST, Korea. Post-Doctoral Researcher, Sun Moon University, Korea. Physics Lecturer and Assistant Coordinator, VS Niketan College.

**Education:** PhD in Tribology-Graphene coatings Via Chemical Vapor Deposition Improving Friction and Wear from Macro-To-Nanoscale Contacts from Sun Moon University, Republic of Korea, in 2017. MSc in Physics from Central Department of Physics, Tribhuvan University, in 2005. BSc in Physics from Tri-Chandra College in 2003.

**Awards:** Best Poster Awards (2014) by MRS, Korea.

**Expertise:** CVD Graphene. Tribology. Atomic Force Microscopy. Raman Spectroscopy. Triboloelectricity. Tengs Device Fabrication.

**Professional Affiliation:** Sun Moon University, Korea. KAIST, Korea.

**Correspondence:** **Mailing Address:** Kapan, Kathmandu, Nepal. **Phone number/Cell:** 9841684273. **E-mail:** tripathikhagendra25@gmail.com



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**362. Khageshwar Mandal (M; 1971; Dhanusa, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Assistant Dean, Institute of Science and Technology, Kantipur, Kathmandu.

**Past Experiences:** Associate Professor of Mathematics, Padma Kanya Multiple Campus, Bagbazar, Kathmandu.

**Education:** PhD in Mathematics-B-Change of Finsler Metric from Singhanian University, Rajasthan, India in 2016. MSc in Mathematics from Tribhuvan University in 1996. BSc in Physics, Mathematics, Statistics from Tribhuvan University in 1994.

**Awards:** Full Scholarship from 1 to 10 (1977-1987) by School. National Merit Scholarship from Intermediate to MSc (1990-1996) by Tribhuvan University, UGC Fellowship During PhD (2012) by UGC of Nepal.

**Correspondence:** **Mailing Address:** Bideha-4, Dhanusha, Nepal. **Phone number/Cell:** 9851169996. **E-mail:** khageshwarmandal@gmail.com



**363. Khem Acharya (M; 1971; Chitwan, Nepal)**

**Category:** Biophysical Chemistry.

**Current Affiliation:** Principal, Orchid Science College, Hakimchowk, Bharatpur, Chitwan.

**Past Experiences:** Research Scientist, Kansas State University, USA.

**Education:** PhD in Biophysical Chemistry-Excitation Energy Transfer and Charge Separation Dynamics in Photosystem II: Hole-Burning Studies from Kansas State University, United States in 2012. MSc in Chemistry from Tribhuvan University, Nepal in 1997. BSc in Chemistry from Tribhuvan University in 1994.

**Awards:** STEM Based Education (2015) by Embassy of Israel. Graduate Chemistry Research Award (2011) Sponsored by Graduate School, Kansas State University.

**Expertise:** Electron Transfer and Excitation Energy Transfer Dynamics Pigment-Protein Complexes by Applying Triplet Bottleneck Hole-Burning Spectroscopy, Operating-High-Resolution FTIR Spectrometer Coupled with Cryostat for Liquid Helium-Tunable CW Ring Laser Systems Pumped with Ar<sup>+</sup> laser-Pulsed Excimer laser in CW and Gate Mode-Capillary Electrophoresis, Studying Protein Complexes by Single Molecule Fluorescence Spectroscopy and Microscopy.

**Professional Affiliation:** American Chemical Society (2010-2013). Life Member, Nepal Chemical Society. Sigma-Xi (2012-2013).

**Correspondence:** **Mailing Address:** Orchid Science College, Hakimchowk, Bharatpur, Chitwan, Nepal. **Phone number/Cell:** 9855050745/056-523527. **E-mail:** KHEMSATTYA@gmail.com



**364. Khem Narayan Poudyal (M; 1960; Syangja, Nepal)**

- Category:** Solar Energy. Atmospheric Physics. Nanotechnology.
- Current Affiliation:** Professor of Physics, Department of Applied Sciences and Chemical Engineering, Pulchowk Engineering Campus, Tribhuvan University, Lalitpur.
- Past Experiences:** Assistant Director in Center for Energy Studies, Pulchowk Campus, Institute of Engineering. Deputy Director in Center for Pollution Studies, Pulchowk Campus, Institute of Engineering. Instruction Committee, Chairperson of Physics, Pulchowk Campus, Institute of Engineering.
- Education:** PhD in Estimation of Global Solar Radiation Potential in Nepal from Institute of Engineering Tribhuvan University, Nepal in 2015. MSc in Physics with Dissertation from Tribhuvan University, Nepal in 1989. BSc in Physics, Chemistry and Mathematics from Tri-Chandra Campus, Tribhuvan University in 1987.
- Awards:** Nepal Vidhya Bhusan 'Ka' (2015) by The Right Honourable Bidhya Devi Bhandari, President of Nepal.
- Expertise:** Solar Energy. Atmospheric Physics. Nanotechnology.
- Professional Affiliation:** Life Member, Nepal Physical Society. Senior Member, IEEE. Life Member, Society of Hydrologists and Meteorologists (SOHAM)-Nepal.
- Correspondence:** **Mailing Address:** Department of Applied Sciences and Chemical Engineering, Pulchowk Engineering Campus, Tribhuvan University, Lalitpur. **Phone number/Cell:** 9841465598. **E-mail:** khem@ioe.edu.np



### 365. Khem Raj Joshi (M; 1979; Darchula, Nepal)

**Category:** Chemistry.

**Current Affiliation:** School of Health and Allied Sciences, Pokhara University, Lekhnath, Kaski, Nepal.

**Past Experiences:** Dean, Faculty of Health Sciences, Pokhara University. Senate Member, Pokhara University. Academic Council Member, Pokhara University.

**Education:** PhD in Isolation of Chemical Compounds and Their Biological Activity Analysis From Nepalese Medicinal Plants from Kumamoto University, Japan in 2015. MSc in Organic Chemistry from CDC, TU, Nepal in 2003. BSc in Chemistry from Siddhanath Science Campus, Mahendranagar, Kanchanpur, TU, Nepal in 2001.

**Awards:** Science and Technology Youth Award (2016), by Nepal Academy of Science and Technology (NAST). Nepal Vidhya Bhusan Padak 'Ka' (2016) by Government of Nepal.

**Expertise:** Natural and Herbal Medicine. Natural Product Isolation. Structure Elucidation and Biological Activity Analysis. HPLC.

**Professional Affiliation:** Pokhara University.

**Correspondence:** **Mailing Address:** PO Box 427, Pokhara University Pokhara, Kaski, Nepal. **Phone number/Cell:** +97761504046/+97761504039/984677999. **E-mail:** khemraj\_pu@yahoo.com, info@pu.edu.np



### 366. Khem Raj Pant (M; 1993; Kanchanpur, Nepal)

**Category:** Agriculture. Plant Breeding. Genetics.

**Current Affiliation:** Technical Officer of Plant Breeding and Genetics, National Wheat Research Program, Nepal Agricultural Research Council, Bairahawa, Rupandehi.

**Past Experiences:** Technical Officer in Plant Breeding and Genetics, Hill Crops Research Program, Dolakha Under NARC.

**Education:** PhD Nepal, MSc in Plant Breeding-Evaluation of Biofortified Spring Wheat Genotypes for Grain Zinc and Iron Concentrations, Grain Yield and Associated Component Traits at Kavre, Dolakha, Nepal from Agriculture and Forestry University, Chitwan, Nepal in 2016. BSc in Plant Pathology, Studies on Seed Borne Fungal Pathogens of Wheat Genotypes and their Management from Tribhuvan University, Institute of Agriculture and Animal Science in 2014.

**Expertise:** Wheat Breeding and Quality Seed Production Technology. Barley Breeding and Fingermillet Breeding and Seed Production Technology.

**Professional Affiliation:** National Wheat Research Program, Bhairahawa under Nepal Agricultural Research Council.

**Correspondence:** **Mailing Address:** National Wheat Research Program, Bhairahawa, Rupandehi, Nepal. **Phone number/Cell:** 9845590907. **E-mail:** pantkhemraj07@gmail.com



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**367. Khem Raj Sharma Acharya (M; 1950; Kathmandu, Nepal)**

**Category:** Integrated Water Resources Management. Irrigation. Land and Water Management.

**Current Affiliation:** Professor, Nepal Engineering College, Center for Postgraduate Studies, Prayagpokhari, Lalitpur.

**Past Experiences:** Governing Board Member, Nepal Engineering Council, Kathmandu. Research Fellow, International Rice Research Institute, Philippines. Senior Divisional Engineer, Department of Water Resource and Irrigation, Lalitpur.

**Education:** PhD in Drainage Problems in Diversion Irrigation System from Central Luzon State University and International Rice Research Institute, Philippines in 1992. MSc in Irrigation and Drainage Requirements of Rice, Soybean and Wheat from University of the Philippines at Los Banos, Philippines in 1983. BE in Effect of Length of Storage of Viscoelastic Material on Pressure in an Experimental Bin from University of Udaipur, India in 1975.

**Awards:** Mahendra Vidhya Bhusan 'Ka' (1993) by Government of Nepal. Mahendra Vidhya Bhusan 'Kha' (1985) by Government of Nepal. Most Outstanding Alumni (2001) by Central Luzon State University, Nueva Ecija, The Philippines.

**Expertise:** Integrated Water Resources Management. Irrigation. Land and Water Resources Management.

**Professional Affiliation:** Nepal Engineers Association. International Commission on Irrigation and Drainage (ICID). Nepalese Society of Agricultural Engineers.

**Correspondence:** **Mailing Address:** PO Box 10210, Kathmandu, Nepal. **Phone number/Cell:** 9841471144. **E-mail:** khemraj.online@gmail.com; khemrs@nec.edu.np



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**368. Khem Raj Shrestha (M; 1983; Dhading, Nepal)**

**Category:** Chemistry. Material Engineering.

**Current Affiliation:** Lecturer, UGHSS, Kamaladi, Kathmandu.

**Past Experiences:** PhD Scholar, CBNU, Korea.

**Education:** PhD in Study and Characterization of the Metal Oxide Based Materials for Supercapacitor Applications from Chonbuk National University, Republic of Korea in 2019. MSc in Study on the Household Pesticides from Tribhuvan University, Nepal in 2008. BSc in Synthesis of Different Plant Extract by Soxhlet Extraction Method from Tribhuvan University in 2006.

**Expertise:** Nano-Material Synthesis. Cyclic Voltammetry FESEM, TEM.

**Professional Affiliation:** Nepal Chemical Society.

**Correspondence:** **Mailing Address:** Khari-5 Dhading, Nepal. **Phone number/Cell:** 9841659356. **E-mail:** chemkhem@gmail.com



### 369. Khet Raj Dahal (M; 1965; Sindhuli, Nepal)

- Category:** Environmental Engineering. Environmental Science.
- Current Affiliation:** Campus Chief, Lumbini International Academy of Science and Technology, Jawalakhel, Lalitpur.
- Past Experiences:** Head, Civil Department, Kantipur Engineering College, Dhapakhel, Lalitpur. Visiting Professor, Kathmandu University, Dhulikhel. Chief Planning Adviser and Researcher, NATURE, Butwal, Rupandehi.
- Education:** PhD in Assessment of Riverbed Excavation and its Effects on Aquatic Environment in the Tinau River of Nepal from Kathmandu University, Dhulikhel in 2014. ME in Water Supply of Rajpur Town, Nepal from St. Petersburg State University of Architecture and Civil Engineering, Russian Federation in 1993. BE in Civil Engineering from St. Petersburg State University of Architecture and Civil Engineering, Russian Federation in 1992.
- Awards:** The Best Writer in Writing Environmental Issues (2005) by Save the Environment Movement, Rupandehi. Appreciatory Award for Writing Paper in Mechikali Daily (2006) by Mechikali Dainik, Butwal. Appreciatory Award for writing paper in Lumbini Daily (2008) by Lumbini Daily, Butwal, Rupandehi.
- Expertise:** Social Investigation. Environmental Investigation. Planning.
- Professional Affiliation:** Manimakund Campus, Butwal, Rupandehi. Jalsrot Bikas Sanstha (JVS), Kathmandu. Water Nepal, Kathmandu.
- Correspondence:** **Mailing Address:** LIAST, Manbhawan, Jawalakhel, Lalitpur, Nepal. **Phone number/Cell:** 015531883. **E-mail:** dahal.khetraj@gmail.com



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### 370. Khim Bahadur Khatttri (M; 1979; Syangja, Nepal)

- Category:** Computational Mathematics.
- Current Affiliation:** Assistant Professor, Department of Mathematics, School of Science, Kathmandu University, Dhulikhel, Kavre.
- Past Experiences:** Lecturer, Don Bosco College, New Baneshwor. Lecturer, St. Lawrence College, Chabahil. Lecturer, Department of Mathematics, School of Science, Kathmandu University.
- Education:** PhD in Development, Discretization and Simulation of an Extended Quasi Two-Phase Mass Flow Model from Kathmandu University in 2019. MSc in Fluid Dynamics from Central Department of Mathematics, Tribhuvan University, Nepal in 2006. BSc in Mathematics from Prithvi Narayan Campus, Tribhuvan University, Nepal in 2003.
- Awards:** NMS Fellowship (2018) by Nepal Mathematical Society.
- Expertise:** Mass Flow Model and Simulation. Porous Media Equation. Computing.
- Professional Affiliation:** Department of Mathematics, School of Science, Kathmandu University, Dhulikhel, Kavre.
- Correspondence:** **Mailing Address:** Boudha-6, Patitar, Kathmandu, Nepal. **Phone number/Cell:** 9841631667. **E-mail:** khimkhatttri@ku.edu.np



**371. Khum Narayan Paudyal (M; 1964; Chitwan, Nepal)**

**Category:** Geology.

**Current Affiliation:** Head of Department, Tribhuvan University, Central Department of Geology, Kirtipur, Kathmandu.

**Past Experiences:** Professor, Central Department of Geology, Tribhuvan University, Kathmandu. Associate Professor (2009-2019), Central Department of Geology, Tribhuvan University, Kathmandu. Lecturer (1993-2009), Central Department of Geology, Tribhuvan University, Kathmandu.

**Education:** PhD in The Pleistocene Environment of Kathmandu Valley, Nepal from Vienna University, Austria in 2002. MSc in Geophysics-Electrical Resistivity Survey Groundwater Exploration in Central Chitwan Valley from Tribhuvan University, Nepal in 1993. BSc in Geology, Zoology, Botany from Tri-Chandra Campus, Kathmandu in 1988.

**Awards:** CAS PIFI Professorship (2015) by Chinese Academy of Sciences. Alexander von Humboldt Fellowship (2007) by Alexander von Humboldt Foundation, Germany. OEAD Fellowship (1998) by Government of.

**Expertise:** Geology. Stratigraphy. Paleontology.

**Professional Affiliation:** Nepal Geological Society.

**Correspondence:** **Mailing Address:** Miteri Marga, Lalitpur-14, Lalitpur, Nepal. **Phone number/Cell:** 015121278/9841193761. **E-mail:** khum99@gmail.com



### 372. Kiran Bala (F; 1963; Parsa, Nepal)

**Category:** Botany.

**Current Affiliation:** Associate Professor, Department of Botany, Thakur Ram Multiple Campus, Birgunj, Nepal,

**Past Experiences:** Lecturer, Birgunj School of Science Birgunj (+2).  
Lecturer, Hari Khetan Multiple Campus Birgunj (+2).  
Reader, National Infotech College, Birgunj (+2).

**Education:** PhD in Studies on The Paddy Field Algae of Birgunj, Nepal and the Effect of Nematicides used in Soil Management from BR Ambedkar Bihar University, India in 2006. MSc in Botany from BR Ambedkar Bihar University, India in 1986. BSc in Botany (Honors) from BR Ambedkar Bihar University, India in 1984.

**Awards:** PhD Award (2006) by BR Ambedkar Bihar University, Muzaffarpur. Deerga Sewa Padak (Long Service Medal) (2019) by Tribhuvan University Kathmandu, Nepal. Deerga Sewa Samman Padak (2018) by TRM, Teachers Union.

**Expertise:** Plant Pathology. Plant Taxonomy. Diversity.

**Professional Affiliation:** Tribhuvan University, Kathmandu. Thakur Ram Multiple Campus, Birgunj. National Infotech College, Birgunj.

**Correspondence:** **Mailing Address:** c/o Anil Kumar Sinha, Kalinagri, Raxaul Dist-East Champaran, State-Bihar, Pin Code-845305. **Phone number/Cell:** +9745063404/+919472500591. **E-mail:** kiran.mystry@gmail.com



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### 373. Kisan Koirala (M; 1985; Kaski, Nepal)

**Category:** Environmental Chemistry.

**Current Affiliation:** Adjunct Faculty Member, Prithvi Narayan Campus, Tribhuvan University, Pokhara, Nepal .

**Past Experiences:** Researcher, Public Education and Research Center. Researcher, University Brunei Darussalam.

**Education:** PhD in Electrochemical Sensors Based on Chemically Modified Electrodes from University of Brunei, Darussalam in 2016. MSc in Sensors System, Materials Science from Royal Institute of Technology, Sweden in 2010. BE in Environmental Engineering from Hanseo University, Republic of Korea in 2008.

**Awards:** Graduate Research Scholarship (2012) by University of Brunei Darussalam. Erasmus Mundus Scholarship (2008) by European Union. Red Cross Youth Scholarship (2003) by Korean Red Cross Society.

**Expertise:** Preparation of Electrochemical Sensors for the Detection of Environmental Pollutants and Biochemical Reactant. Chemically Modified Electrodes. Molecularly Imprinted Electrodes. Waste Water Treatment. Point and Non-Point Source Pollution.

**Professional Affiliation:** Nepal Red Cross Society. Erasmus Mundus Students and Alumni Association.

**Correspondence:** **Mailing Address:** Gairapatan-04, Pokhara, Nepal. **Phone number/Cell:** 9856011299. **E-mail:** kisan199@gmail.com



**374. Kishan Datta Bhatta (M; 1978; Baitadi, Nepal)**

**Category:** Architecture. Urban Planning and Design.

**Current Affiliation:** Dean, Faculty of Engineering, Farwestern University, Kanchanpur, Nepal.

**Past Experiences:** Programme Coordinator and Associate Professor, School of Engineering, Far western University, Nepal. Assistant Professor, Department of Architecture, Nepal Engineering College. Lecturer, Department of Architecture and Urban Planning, Pulchowk Campus.

**Education:** PhD in Urban Planning and Design-Tourism Planning and Sustainable Community Development from The University of Hong Kong, Hong Kong in 2014. MSc in Urban Planning-Urban Heritage Conservation and Sustainable Community Development in the Historic Towns from The University of Hong Kong in 2008. BE in Architecture-Design of Cultural Centre at Mahendranagar from Pulchowk Campus, Institute of Engineering in 2003.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2015) by The President of Nepal. University Postgraduate Fellowship (UPF) (2010-2014) by The University of Hong Kong Foundation for Educational Development and Research 'HKU Foundation', Dr Lee Shau Kee, Jessie and George Ho Charitable Foundation and the Philip KH Wong Foundation. Asian Development Bank-Japan Scholarship (ADB-JSP) (2006-2008) by Asian Development Bank and Government of Japan.

**Expertise:** Sustainable Cities and Communities. Vernacular Architecture. Cultural Heritage Conservation. Post-Disaster Reconstruction. Regeneration of Historic Towns. Sustainable Tourism. Environmental Impacts and Community Development in the Himalayas.

**Professional Affiliation:** Registered Architect, Nepal Engineering Council (NEC), Kathmandu. Member, Society of Nepalese Architects (SONA), Kathmandu. Member, Regional and Urban Planners' Society of Nepal (RUPSON), Kathmandu.

**Correspondence:** **Mailing Address:** Office of the Dean, Faculty of Engineering, Farwestern University, Mahendranagar, Kanchanpur, Nepal. **Phone number/Cell:** 099520296/9841341094. **E-mail:** kishandatta@yahoo.com;dbkishan76@gmail.com



### 375. Kishor Adhikari (M; 1976; Chitwan, Nepal)

**Category:** Public Health.

**Current Affiliation:** Associate Professor, Chitwan Medical College, Bharatpur, Chitwan, Nepal.

**Past Experiences:** Assistant Professor, Community Medicine, National Medical College, Birgunj, Nepal. Associate Professor and Head School of Public Health and Community Medicine, Texila American University, Zambia. Associate Professor and Programme Coordinator MPH Programme, Chitwan Medical College, Bharatpur, Nepal.

**Education:** PhD in Public Health from SHUATS in 2014. Masters in Public Health from SHUATS, Allahabad, India in 2007. Bachelors of Health Education from Tribhuvan University in 2002.

**Awards:** Nepal Vidhya Bhusan (2015) by Government of Nepal. Mini Research Grant (2014) by University Grant Commission Nepal.

**Expertise:** Research. Columnist in National English Newspapers. Project Planning.

**Professional Affiliation:** Life Member, Nepal Public Health Association, Kathmandu. Vice-President, Himalayan Environment and Public Health Network, Nepal.

**Correspondence:** **Mailing Address:** Bishal Chowk, Bharatpur-11, Nepal. **Phone number/Cell:** 9855027066. **E-mail:** kishoo2006@gmail.com

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### 376. Kishor Atreya (M; 1973; Arghakhanchi, Nepal)

**Category:** Natural Resource Management. Environmental Sciences. Agriculture.

**Current Affiliation:** Research Lead, PHASE Nepal, Kathmandu.

**Past Experiences:** Agricultural and Environmental Health Expert, ANSAB Nepal. Visiting Faculty, Kathmandu University.

**Education:** PhD in Environment and Development Studies from Norwegian University of Life Sciences (NMBU), Norway in 2013. MSc in Environmental Science from Kathmandu University, Nepal in 2002. BSc in Agriculture Science from Tribhuvan University, IAAS Rampur in 1998.

**Expertise:** Agricultural and Environmental Health. Natural Resource Management. Research and Publication.

**Correspondence:** **Mailing Address:** PO Box 1288, Kathmandu, Nepal. **Phone number/Cell:** 9851231460. **E-mail:** k.atreya@gmail.com



**377. Kishor Pandey (M; 1975; Parbat, Nepal)**

- Category:** Tropical Infectious Diseases. Parasitology. Zoology.
- Current Affiliation:** Senior Scientific Officer, Nepal Academy of Science and Technology, Khumaltar, Lalitpur.
- Past Experiences:** Visiting Researcher, The University of Tokyo, Japan. Visiting Researcher, Nagasaki University, Nagasaki, Japan. Lecturer, Central Department of Zoology, Kirtipur, Nepal.
- Education:** PhD in Tropical Disease-Protozoology from Institute of Tropical, Medicine, Nagasaki University, Japan in 2008. MSc in Parasitology, Zoology from Central Department of Zoology, Kirtipur in 2001. BSc in Biology, Chemistry from Amrit Science Campus, Lainchaur in 1997.
- Awards:** Young Scientist Award (2017) by Biotechnology Society of Nepal. The World Academy of Sciences (TWAS) Award (2012) by Nepal Academy of Science and Technology, Lalitpur, Nepal. Monbukagakusho, MEXT Award (2003) by Japanese Government. Post-Doctoral Fellowship (2017-2018) by the Takeda Science Foundation, Japan. Post-Doctoral Fellowship (2012-2014) by the Tokyo Biochemical Research Foundation, Japan.
- Expertise:** Tropical Infectious Diseases. Parasitology. Molecular Biology. Virology (Dengue, Chikungunya). Kala-azar. Malaria. Amoeba.
- Professional Affiliation:** The American Society of Tropical Medicine and Hygiene. The American Society of Microbiology. Japanese Society of Parasitology.
- Correspondence:** **Mailing Address:** Janata Awas E-39, Karyabinayak-25, Lalitpur, Nepal. **Phone number/Cell:** 9851184061. **E-mail:** pandey\_kishor@hotmail.com



**378. Kishore K Sherchand (M; 1948; Mustang, Nepal)**

- Category:** Agriculture Breeding and Improvement of Food Crops of Nepal.
- Current Affiliation:** Retired and Currently Working as Real Estate Associate, REeBrokers Group, 2837 Kerria Way, Sacramento, CA 95821.
- Past Experiences:** Assistant Lecturer, IAAS, Tribhuvan University, Nepal. Agricultural Officer, Department of Agriculture, Nepal. Senior Scientist, Nepal Agricultural Research Organization.
- Education:** PhD in Agronomy/Physiology/Breeding from Kansas State University, United States in 1985. MSc in Agronomy/Nutrition/Breeding from Kansas State University, United States in 1982. BSc in Agriculture/Plant Breeding and Genetics from Haryana Agricultural University, India in 1972.
- Awards:** Mahendra Vidhya Bhusan (1985) by Ministry of Education, Government of Nepal.
- Expertise:** Crop Breeding and Genetics. Maize Breeding, Highland Crops Breeding like Barley, Buckwheat and Millets. Irrigation. Agricultural System and Adaptation. Mahakali Irrigation Project. Environmental Science. Assessment of Climate Change in the the Mountain Agriculture System of Nepal. IPCC Third Assessment Report of Nepal submitted to the UN (Team Member).
- Professional Affiliation:** Institute of Agriculture and Animal Sciences, Tribhuvan University, Rampur, Chitwan, Nepal. Department of Agriculture, Harihar Bhawan, Lalitpur, Nepal. Nepal Agricultural Research Council, Khumaltar, Lalitpur, Nepal.
- Correspondence:** **Mailing Address:** 2837 Kerria Way, Sacramento, CA 95821. **Phone number/Cell:** 9168628288. **E-mail:** ksherchand@yahoo.com.



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**379. Kishwor Bhandari (M; 1984; Kaski, Nepal)**

**Category:** Human Anatomy.

**Current Affiliation:** Assistant Professor, Department of Anatomy, Hind Institute of Medical Sciences, Sitapur, India.

**Past Experiences:** Medical Technologist, Manipal Teaching Hospital, Pokhara, Nepal.

**Education:** PhD in Short and Long Term Effects on Testis in Experimentally Induced Diabetes mellitus from MGM Institute of Health Sciences, in 2016. MSc in Medical Anatomy from MGM Institute of Health Sciences (Deemed University), Navi Mumbai, India in 2012. BSc in Medical Laboratory Technology from Manipal University, Karnataka, India in 2008.

**Awards:** Nepal Vidhya Bhushan 'Ka' (2018) by Right Honorable President of Nepal, Bidhya Devi Bhandari. Prof OP Khanduri Gold Medal (2018) by UP Chapter of Anatomical Society of India. The Best Paper Presented on Teratology (2016) by UP Chapter of Anatomical Society of India.

**Expertise:** Human Anatomy. Human Embryology. Human Neuroanatomy. Histology.

**Professional Affiliation:** Hind Institute of Medical Sciences, Sitapur, Uttar Pradesh, India.

**Correspondence:** **Mailing Address:** Department of Anatomy, Hind Institute of Medical Sciences, Sitapur, Mau Ataria 261301, Utttar Pradesh, India. **Phone number/Cell:** 00917272035026. **E-mail:** kishworbhandari111@hotmail.com



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**380. Komal Raj Rijal (M; 1979; Chitwan, Nepal)**

**Category:** Microbiology.

**Current Affiliation:** Associate Professor, Central Department of Microbiology, Tribhuvan University, Kirtipur, Kathmandu.

**Past Experiences:** Lecturer, Tribhuvan University, Central Department of Microbiology. Lecturer, Pokhara University, Dhungepatan, Leknath, Kaski, Pokhara.

**Education:** PhD in Tropical Medicine from Mahidol University, Faculty of Tropical Medicine, Thailand in 2018. MSc in Microbiology from Central Department of Microbiology, Tribhuvan University, Nepal in 2003. BSc in Microbiology from Tri-Chandra College, Tribhuvan University in 2001.

**Awards:** Dean-MORU Award (2015) by Dean, Faculty of Tropical Medicine.

**Expertise:** Tropical Medicine. Malaria. Infectious Diseases.

**Professional Affiliation:** Central Department of Microbiology, Tribhuvan University, Kirtipur, Kathmandu. Department of Clinical Tropical Medicine, Faculty of Tropical Medicine, Mahidol University.

**Correspondence:** **Mailing Address:** Central Department of Microbiology, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 9849002253. **E-mail:** rijalkomal@yahoo.com



**381. Kripa Ram Mehta (M; 1960; Sunsari, Nepal)**

**Category:** Zoology.

**Current Affiliation:** Professor, Tri-Chandra Multiple College, Ghantaghar, Kathmandu, Nepal.

**Past Experiences:** Assistant Entomologist, Entomology Division, Khumaltar, Lalitpur. Science Teacher (ISc), Shree Kosi Lower Secondary School, West Kushhaa, Sunsari.

**Education:** PhD in Zoology-An Aquatic Biodiversity of River Bagmati, Nepal from Chaudhary Charan Singh University Meerut, India in 2011. MSc in Zoology from Tribhuvan University, Kirtipur in 1988. BSc in Biology from Lalit Narayan Mithila University, India in 1982.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2013) by President of Nepal. Deerga Sewa Padak (Long Service Medal) (2018) by Tribhuvan University.

**Expertise:** Teaching. Research.

**Professional Affiliation:** Education Committee, Nepal National Commission for UNESCO, Ministry of Education, Singhdarbar, Kathmandu. Conservation Development Forum (CODEFUND), Koteshwor, Kathmandu. Nepal Zoological Society, Central Department of Zoology, Kirtipur, Kathmandu.

**Correspondence:** **Mailing Address:** 18/2 Shankmul, New Baneswor, Kathmandu-31, Nepal. **Phone number/Cell:** 014780413/9841452279. **E-mail:** mehtasir@hotmail.com



### 382. Krishna Bahadur Rai (M; 1972; Morang, Nepal)

<b>Category:</b>	Nanophysics. Experimental-Graphene Synthesis.	
<b>Current Affiliation:</b>	Lecturer, Academic Incharge, Patan Multiple Campus, United College and Academy, Tribhuvan University, NEB Board Nepal.	
<b>Past Experiences:</b>	Lecturer, College of Biomedical Engineering and Applied Sciences, Kathmandu, Purbanchal University. Lecturer, GEMS Higher Secondary School, Lalitpur, Higher Secondary Education Board (HSEB) of Nepal. Lecturer, Prasadi Academy, Lalitpur, Higher Secondary Education Board (HSEB).	
<b>Education:</b>	PhD in Nanomaterials-Study of Synthesis, Characterization, and Tailoring of Chemical Treatment of Chemical Vapor Deposition (CVD) Ggraphene from Sungkyunkwan University, Republic of Korea in 2019. MSc in Telemedicine-A Study on Image Quality of Teledermatology and Telepathology in Telemedicine using a Digital Camera from Tribhuvan University in 2004. BSc in Physics, Chemistry and Mathematics from Tribhuvan University in 1995.	
<b>Awards:</b>	Nepal Vidhya Bhusan Class ‘A’ (2019) by Rt. Honorable President of Nepal Bidhya Devi Bhandari, Kathmandu. BK21 Plus Graduate Scholarship (2014/03-2019/08) by Sungkyunkwan University, South Korea. National Project Participation for International Students (2016) by Korea Institute of Technology Management and Education, Korea.	
<b>Expertise:</b>	Chemical Vapor Deposition Synthesis of Graphene. Graphene Woven Fabric. Suspended Graphene. Rope Like Twisted Grapheme. Epitaxial Graphene Growth from SiC. Growth of Thin Film of SiON from SiC. Raman Spectroscopy. Vacuum Technique. Pyrometer. Low Energy Electron Diffraction (LEED). Angle Resolved Photoemission Spectroscopy (ARPES). Scanning Electron Microscopy (SEM).	
<b>Professional Affiliation:</b>	Lecturer, Solid State Physics and Advanced SolidState Physics for MSc Physics students of Patan Multiple Campus, Department of Physics, Tribhuvan University. Academic In-charge, United College, Tribhuvan University and United Academy, National Examination Board (NEB), Lalitpur.	
<b>Correspondence:</b>	<b>Mailing Address:</b> Department of Physics, Patan Multiple Campus, Tribhuvan University. <b>Phone number/Cell:</b> 9841352931/9818640967. <b>E-mail:</b> krishnarai135@gmail.com	

**383. Krishna Bahadur Somai Magar (M; 1975; Syangja, Nepal)**

**Category:** Organic/Medicinal Chemistry.

**Current Affiliation:** Deputy General Manager, Medigen Inc, Daejeon, South Korea.

**Past Experiences:** Assistant Professor, Yeungnam University.

**Education:** PhD in New Synthetic Strategies for the Construction of Novel and Biologically Active Organic Molecules from Yeungnam University, Republic of Korea in 2014. MSc in Comparative Study of ISC and HSEB Students' Achievement from Tribhuvan University, Nepal in 2002.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2017) by President of Nepal. BK21 Scholarship (2012) by Government of Korea.

**Expertise:** Organic Synthesis. Instrumental Analysis.

**Correspondence:** **Mailing Address:** Medigen Inc, Daejeon, South Korea. **Phone number/Cell:** +821055267830. **E-mail:** krishnasomai@gmail.com



**384. Krishna Das Manandhar (M; 1964; Kathmandu, Nepal)**

**Category:** Biotechnology. Virology. Zoology.

**Current Affiliation:** Professor and Head, Central Department of Biotechnology, Tribhuvan University, Kirtipur, Kathmandu.

**Past Experiences:** Post-Doctoral, Institute pur le Development (IRD), France. Post-Doctoral, La Jolla Institute for Allergy and Immunology, USA (Fulbright Research Scholar).

**Education:** PhD in Immunology-Study of Immunology and Diagnostic aspects of Visceral Leishmaniasis from Banaras Hindu University, Institute of Medicine, Department of Medicine, India in 2008. MSc in Parasitology-Zoology-Seasonal Variation of Intestinal Parasites of local chicken (*Gallus gallus domesticus*) from Institute of Science and Technology, Central Department of Zoology, Tribhuvan University, Nepal in 1989. BSc in Biology from Tribhuvan University in 1985.

**Awards:** Deergha Sewa Padak (Long Service Medal) (2017) by Tribhuvan University. Nabil Science and Technology Award (2016) by Nepal Academy of Science and Technology. Nepal Vidhya Bhusan 'Ka' (2010) by Government of Nepal.

**Expertise:** Immunology. Virology. Infectious Diseases.

**Professional Affiliation:** Central Department of Biotechnology, Tribhuvan University.

**Correspondence:** **Mailing Address:** Balaju, Kathmandu, Nepal. **Phone number/Cell:** 9860960577. **E-mail:** krishna.manandhar@gmail.com



### 385. Krishna Kanta Panthi (M; 1964; Gulmi, Nepal)

**Category:** Civil Engineering. Rock and Tunnel Engineering. Hydropower.

**Current Affiliation:** Professor, Norwegian University of Science and Technology (NTNU).

**Past Experiences:** Consultant in Rock and Tunnel Engineering, Nepal and India. Construction Manager, Khimti I Hydropower Project, Dolakha, Nepal. Technical Auditor, Kaligandaki HPP, Auditor General Office of Nepal.

**Education:** PhD in Rock Engineering from Norwegian University of Science and Technology (NTNU), Trondheim, Norway in 2006. MSc in Hydropower Development from Norwegian University of Science and Technology (NTNU), Trondheim, Norway in 1998. MSc in Tunneling in Road Tunnels from Moscow Automobile and Road Construction Institute, Moscow, Russian Federation in 1992.

**Awards:** Excellent Reviewer Award (1998) by Elsevier. NORAD Fellowship (1996) by NORAD, Norway.

**Expertise:** Rock Engineering. Tunnel Engineering. Hydropower Engineering.

**Professional Affiliation:** Norwegian University of Science and Technology (NTNU), Trondheim, Norway.

**Correspondence:** **Mailing Address:** c/o S. P. Andersen Vei 15a, 7491 Trondheim, Norway. **Phone number/Cell:** 0047 48240695. **E-mail:** krishna.panthi@ntnu.no



### 386. Krishna Kaphle (M; 1972; Gulmi, Nepal)

**Category:** Veterinary Health Science.

**Current Affiliation:** Director, Veterinary Teaching Hospital, IAAS, Tribhuvan University, Sidharthanagar-1, Lumbini, Nepal.

**Past Experiences:** Student Welfare Chief and Sports Coach, Rampur Campus, IAAS, Tribhuvan University. Associate Professor, Department of Theriogenology, IAAS, Tribhuvan University, Regional Coordinator, Canadian Hunger Foundation.

**Education:** PhD in Sustainable Veterinary Medicine-Reproductive Physiology from National Taiwan University, Taiwan in 2006. Bachelor of Veterinary Science and Animal Husbandry from Tribhuvan University in 1997.

**Awards:** Merit Award (1992-1996) by IAAS, Tribhuvan University. NTU Scholarship (2001-2006) by NTU, ROC. Lions Leadership Award (2009) by LCCC, Dist 325 B.

**Expertise:** One Health-Microbiome. Veterinary Science-Western and Complementary and Alternative. TCM and Ayurveda. Wildlife Medicine. Reproductive Behavior.

**Professional Affiliation:** Institute of Agriculture and Animal Science, Tribhuvan University.

**Correspondence:** **Mailing Address:** Veterinary Teaching Hospital, Paklihawa Campus, IAAS, Tribhuvan University. **Phone number/Cell:** +97771506150/9845056734. **E-mail:** krishnakaphle@iaas.edu.np, krishnakaphledr@gmail.com



**387. Krishna Kumar Aryal (M; 1979; Syangja, Nepal)**

**Category:** Public Health.

**Current Affiliation:** Deputy Team Leader, Abt Associates, MEOR Project, Jwagal, Lalitpur-10.

**Past Experiences:** Research Chief, Nepal Health Research Council. Assistant Professor, Hope International College.

**Education:** PhD in Alcohol Consumption Among Nepalese Women of Reproductive Age, Predictors, Anxiety and Depression in Pregnancy and Postpartum Period from University of Oslo, Norway in 2018. Master in Public Health from Tribhuvan University in 2009. Bachelor of Naturopathy and Yogic Sciences (BNYS) from Rajiv Gandhi University of Health Sciences, India in 2005.

**Awards:** Best Staff Award (2015) by Nepal Health Research Council.

**Expertise:** Public Health. Epidemiology. Knowledge Management.

**Professional Affiliation:** Life Member and Advisor, Yoga and Naturopathy Doctor's Association.

**Correspondence:** **Mailing Address:** Mahalaxmi-9, Lubhu, Lalitpur, Nepal. **Phone number/Cell:** 98511123730. **E-mail:** krish.aryal@gmail.com



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**388. Krishna Kumar Mishra (M; 1964; Rautahat Nepal)**

**Category:** Agriculture.

**Current Affiliation:** Senior Scientist (S4) and Chief, National Agriculture Genetics Resource Center under NARC, Khumaltar Lalitpur.

**Past Experiences:** Senior Scientist and Chief, Nepal Agricultural Research Council, Planning Division. Senior Scientist and Chief, Nepal Agricultural Research Council, Monitoring and Evaluation Division. Senior Scientist and Coordinator, Hill Crops Research Programme, Kavre, Dolakha.

**Education:** PhD in Genetics and Plant Breeding-Investigating Quantitative Trait Loci (Qtl) And Gxe Interaction for Improving Rice (*Oryza sativa* L.) Yield Under Drought Stress Conditions in Nepal from Sam Higginbottom Institute of Agriculture, Technology and Sciences Deemed University, Allahabad, India in 2012. MSc in Plant Breeding and Genetics-Genetics Divergence Study in Black Gram (*Vigna mungo*) from Maharana Pratap Agriculture University Udaipur, Rajasthan, India in 2003. BSc in Agriculture from Rampur Campus, Institute of Agriculture and Animal Sciences, Tribhuvan University, Chitwan in 1987.

**Awards:** Vidhya Bhusan 'Ka' (2016) by President of Nepal.

**Expertise:** Rice Breeding. Drought Stress Tolerant Breeding. Molecular Genetics.

**Professional Affiliation:** International Atomic Energy Agency (IAEA). International Rice Research Institute (IRRI). Biodiversity International.

**Correspondence:** **Mailing Address:** National Agriculture Genetics Resource Center, Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** 9841857806. **E-mail:** krishnakumarmishra944@yahoo.com



**389. Krishna Prasad Aryal (M; 1962; Kapilvastu, Nepal)**

**Category:** Civil Engineering.

**Current Affiliation:** Senior Geotechnical Advisor, Sweco Norway AS, Norway.

**Past Experiences:** Geotechnical Advisor, Norwegian Public Road Administration. Chief Tunnelling Engineer and Construction Manager, Khimti 60 MW Hydropower Project. Transmissionlines Design Engineer, Jhimruk 12 MW Hydropower Project.

**Education:** PhD in Slope Stability Evaluation by Limit Equilibrium and Finite Element Methods from Norwegian University of Science and Technology, NTNU, Trondheim, Norway in 2006. ME in Hydropwer Planning and Development from Norwegian University of Science and Technology, NTNU in 1996. BE in Civil Engineering from IOE Pulchowk in 1989.

**Awards:** Nepal Vidhya Bhusan Award (2016) by Bidhya Devi Bhandari.

**Expertise:** Hydropower Planning, Design and Construction. Foundation Design for Buildings, Highways, Railways and Bridges.

**Professional Affiliation:** Sweco Norway AS, Norway. Norwegian Public Road Administration, Norway. Butwal Power Company, Nepal. Advisor, Seti Hydropwer Project (25 MW) in Nepal.

**Correspondence:** **Mailing Address:** Sandslimarka 263, 5254 Sandsli, Norway. **Phone number/Cell:** 41750756. **E-mail:** dr.krishna.aryal@gmail.com



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**390. Krishna Prasad Bhattarai (M; 1966; Sunsari, Nepal)**

**Category:** Botany.

**Current Affiliation:** Associate Professor, Mechi Multiple Campus, Bhadrapur, Jhapa.

**Past Experiences:** Secretary, ECS-Nepal. Assistant Campus Chief, Mechi Multiple Campus. Subject Committee Member, BScTTM.

**Education:** PhD in Botany-Decomposition, Nutrient release in leaf litter and N-Minralization in sal forests of Jhapa and Ilam districts, eastern Nepal from Tribhuvan University, Nepal in 2017. MSc in Botany from Tribhuvan University, Nepal in 1993. BSc in Botany, Zoology, Chemistry from Tribhuvan University, Nepal in 1991.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2019) by President.

**Expertise:** Forest Ecology.

**Professional Affiliation:** Mechi Multiple Campus, Bhadrapur, Jhapa.

**Correspondence:** **Mailing Address:** Mechi Multiple Campus, Bhadrapur, Jhapa, Nepal. **Phone number/Cell:** 023455615/9842626552. **E-mail:** krishnaprbhattarai@gmail.com



**391. Krishna Prasad Bhandari (M; 1968; Kaski, Nepal)**

**Category:** Remote Sensing. GIS. Environment.

**Current Affiliation:** Associate Professor, Pashchimanchal Campus, IOE, Tribhuvan University, Lamachaur, Pokhara-16.

**Past Experiences:** Head of Department of Applied Sciences, Pashchimanchal Campus, IOE, Tribhuvan University.

**Education:** PhD in Participatory Geographic Information System for Soil Erosion Management, A Case Study of Phewa Watershed of Nepal from Prince of Songkla University, Thailand in 2014. MSc and Post Graduate Diploma in Mathematics-PGD Remote sensing and GIS, Application of GIS Modeling for Dengue Fever Prone Area Based on Socio-Cultural and Environmental Factors, A Case Study of Delhi City Zone from Tribhuvan University, IIRS, India, Nepal in 1994 and 2007. BSc in Physics, Chemistry, Mathematics from Tribhuvan University in 1991.

**Awards:** Certification of Outstanding Participant Award Geo-informatics Summer School in The Practice Spatial-Temporal Big Data Analysis and Data Science (2015) by Wuhan University and ISPRS Technical Commission VI Summer. Certificate of Honour (2010) by Faculty of Environmental Management, Prince of Songkla University.

**Expertise:** Soil Erosion. Lake Watershed Management. Remote Sensing. GIS. Precision Farming.

**Professional Affiliation:** Asian Association of Remote sensing, Japan. Indian Society of Remote Sensing, Dehradun, India. International Space Weather Initiative, UNOOSA.

**Correspondence:** **Mailing Address:** Pashchimanchal Campus, Lamachaur, Pokhara-16, Kaski, Nepal. **Phone number/Cell:** 9856077111. **E-mail:** bhandarikrishna@wrc.edu.np



### 392. Krishna Prasad Pokharel (M; 1981; Kaski, Nepal)

**Category:** Zoology. Forestry. Environmental Science.  
**Current Affiliation:** Managing Director, Earth Eco Consultancy, Pokhara 14, Kaski, Nepal.  
**Past Experiences:** Freelancer 2019. Resesearch Scientist (2018-2019), Satvik Nepal, Pokhara. Post-Doctoral Scientist (2015-2017), University of Freiburg, Germany.  
**Education:** PhD in Zoology or Forestry-Wildlife Ecology from Wildlife Ecology and Management, University of Freiburg, Germany in 2015. MSc in Forestry from University of Freiburg, Germany in 2010. BSc in Zoology from Tribhuvan University in 2003.  
**Expertise:** Wildlife Research and Conservation. Academic Teaching. ArcGIS.  
**Professional Affiliation:** Member, Wildlife Society. Member, British Ecological Society.  
**Correspondence:** **Mailing Address:** Deurali Marga 55.2, Chhinedanda, Pokhara- 14, Gandaki, Nepal. **Phone Number/Cell:** 9866064597. **E-mail:** kp.pokharel@gmail.com



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### 393. Krishna Prasad Poudel (M; 1957; Syangja, Nepal)

**Category:** Resource Management. Remote Sensing. GIS.  
**Current Affiliation:** President, Nepal GIS Society, Jawlakhel, Lalitpur.  
**Past Experiences:** Professor, Tribhuvan University, Kathmandu. Member (2013 to 2018), Faculty Board, Faculty of Education, Tribhuvan University. Member (2016-2018), Faculty Board Standing Committee, Faculty of Education, Tribhuvan University.  
**Education:** PhD in Resource Utilization and Management Strategy in the Selected Watersheds of Annapurna Region, Central Nepal from Delhi School of Economics, Delhi University, India in 2001. MSc in Environmental Remote Sensing and Geo-information for Development, Natural Resources Program from School of Environment and Resources Development, AIT, Bangkok in 1994. MA in Geography from Tribhuvan University in 1983. BA in Geography from Tribhuvan University in 1980.  
**Awards:** Mahendra Vidhya Bhusan 'Ka' and 'Kha' (2001) by His Majesty King of Nepal. Deergha Sewa Padak (Long Service Medal) (2010) by Tribhuvan University.  
**Expertise:** Resource Management. Remote Sensing. Geographic Information System (GIS).  
**Professional Affiliation:** Professor of Geography, Central Department of Education, Tribhuvan University, Kathmandu.  
**Correspondence:** **Mailing Address:** Putalibazar-6, Syangja, Nepal. **Phone number/Cell:** +00977984127-853. **E-mail:** kpoudel.pokhara@gmail.com



**394. Krishna Prasad Sharma Poudel (M; 1967; Baglung, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Associate Professor, Department of Chemistry, Butwal Multiple Campus, Tribhuvan University, Nepal.

**Past Experiences:** Assistant Campus Chief, Butwal Multiple Campus. Member Secretary, CMDC, Butwal Multiple Campus. Coordinator and Secretary, Nepal Chemical Society, Western Chapter.

**Education:** PhD in Synthesis and Physicochemical Characterization of Binary Organic Materials from Banaras Hindu University (BHU), India in 2011. MSc in Physical Chemistry from Tribhuvan University in 1993. BSc in Physics, Chemistry, Mathematics from Tribhuvan University in 1991.

**Awards:** Nepal Vidhya Bhusan 'Ka' by President of Nepal.

**Expertise:** Water Analysis. Chemistry.

**Professional Affiliation:** Butwal Multiple Campus, Nepal.

**Correspondence:** **Mailing Address:** Tilottama-3, Yogikuti, Rupandehi, Nepal. **Phone number/Cell:** 9847027931. **E-mail:** kpsharmabhu@gmail.com



**395. Krishna Prasad Shrestha (M; 1972; Kavrepalanchok, Nepal)**

**Category:** Mechanical Engineering.

**Current Affiliation:** Assistant Professor, Kathmandu University, Dhulikhel, Kavre.

**Past Experiences:** Lecturer, Kathmandu University. TA, Kathmandu University. Instructor, Banepa Institute of Technology.

**Education:** PhD in Design and Analysis of Francis Turbine for Sediment Load from Kathmandu University, Nepal in 2017. ME in Mathematical Modeling of Rice Grain Movement for the Design and Fabrication of Winnowing Machine from Kathmandu University in 2010. BE in Erosion of Pelton Turbine Splitter and its Effect on Efficiency from Kathmandu University in 2004.

**Awards:** Best Practice award (2015) by Asian Community Knowledge Networks for the Economy, Society, Culture and Environmental Stability. Best Paper Award (2011) by AFORE 2011. EnPe Scholarship (2012) by Kathmandu University.

**Expertise:** Design and Analysis of Francis Turbine for Sediment Load. Use of Finite Element Analysis (FEA) and Computation Fluid Dynamics (CFD). Techniques in Structural and Fluid Structural Interaction Analysis. Advanced Manufacturing Processes using CAD, CAM.

**Professional Affiliation:** Technical Training Center, Kathmandu University.

**Correspondence:** **Mailing Address:** PO Box 6250, Dhulikhel, Kavre, Nepal. **Phone number/Cell:** 9841266274. **E-mail:** kp@ku.edu.np, kpshrestha@gmail.com



**396. Krishna Prasad Timsina (M; 1980; Morang, Nepal)**



- Category:** Agricultural Economics. Value Chain. Supply Chain. Agribusiness Management.
- Current Affiliation:** Senior Scientist (Agricultural Economics), Nepal Agricultural Research Council (NARC), Socioeconomics and Agricultural Policy Research Division (SARPOD), Khumaltar, Lalitpur, Nepal.
- Past Experiences:** Post-Doctoral Research Fellow, School of Agricultural and Wine Sciences, Charles Sturt University, Orange Campus, NSW, Australia. Scientist, Agricultural Economics, Nepal Agricultural Research Council (NARC), Monitoring and Evaluation Division. Branch Manager, Commercial Agriculture Alliance, Commercial Agriculture Development Project- Funded by Asian Development Bank.
- Education:** PhD in Agribusiness Management, Effects of Changes in Functional Strategies to the Horticultural Seed Value Chain in Nepal from Asian Institute of Technology (AIT), Thailand in 2015. MSc in Agricultural Economics-Economics of Milk Production in Chitwan District of Nepal from Institute of Agriculture and Animal Science (IAAS), Tribhuvan University in 2005. BSc in Agricultural Economics from Institute of Agriculture and Animal Science (IAAS), Tribhuvan University in 2003.
- Awards:** Civil Society Scholar Awards (2014) by Foundation Open Society Institute (FOSI), Baarerstrasse, Switzerland. Global Supplementary Research Grant (2013) by Open Society Foundation, New York, USA. Travel to Participate in 29th International Horticulture Congress (2014) by Horticulture Innovative Lab, USA.
- Expertise:** High Quality Research and Publish Papers Independently Setting Milestones and Outcomes. Supervision of Research Students (Honours, Masters, Doctoral) for High Quality Research and Publication. Building and Maintaing Relationships for the Purposes of Professional Research.
- Professional Affiliation:** Nepal Agricultural Economics Society (NAES), Lalitpur. Asian Institute of Technology Alumni Association (AITAA), Bangkok. Australia Global Alumni.
- Correspondence:** **Mailing Address:** United Colony Phase II, Mahalaxmi Municipality, Lalitpur, Nepal. **Phone number/Cell:** 9866429905. **E-mail:** krishnatimsina2000@gmail.com

**397. Kritu Panta (F; 1986; Kathmandu, Nepal)**

**Category:** Microbiology.

**Current Affiliation:** Research Associate, The University of Western Australia, 35 Stirling Highway Perth WA 6009 Australia.

**Past Experiences:** Demonstrator and Tutor, The University of Western Australia. Assistant Research Fellow, Nepal Academy of Science and Technology. Research Assistant, Nepal Academy of Science and Technology.

**Education:** PhD in Antibody Mediated Immune Response Against *Flavivirus* Infection in West Australian Travellers from The University of Western Australia in 2018. MSc in Medical Microbiology from Tribhuvan University in 2012. BSc in Microbiology from National Institute of Science and Technology, Nepal in 2007.

**Awards:** Endeavour Post Graduate Research Scholarship (2014) by Department of Education, Australian Government.

**Expertise:** Virology. Immunology. Community Engagement in Research.

**Professional Affiliation:** The University of Western Australia, Australia.

**Correspondence:** **Mailing Address:** The University of Western Australia (M502), 35 Stirling Highway, 6009 Perth Australia. **Phone number/Cell:** +61426044452. **E-mail:** itskritu@gmail.com, kritu.panta@uwa.edu.au



**398. Kshitiz Raj Shrestha (M; 1984; Kathmandu, Nepal)**

- Category:** Medical Biotechnology. Stem Cell Biology. Tissue Regeneration.
- Past Experiences:** Post-Doctoral Fellow, BIO-IT Foundry Technology Institute, Pusan National University, Busan, Korea. Lecturer, Department of Biotechnology, Lord Buddha Education Foundation. Lecturer, SANN International College. Department of Pharmacy, National Model College for Advanced Learning, CIST College, Nepal. Production Pharmacist, CTL Pharmaceuticals (P) Ltd, Bhaktapur, Nepal.
- Education:** PhD in Biotechnology Bladder Reconstruction using Stem Cells Seeded on Multilayered Scaffolds in a Mucosa Preserving Partial Cystectomy Model from The Catholic University of Korea, Republic of Korea in 2016. MSc in Biotechnology-Development of Penicillin Biosensor by using Penicillinase Produced from *Escherichia coli* K-12 and *Bacillus subtilis* from Punjabi University, India in 2010. Bachelor of Pharmacy-Phytochemical and Biological Screening of the Plant, *Astilbe rivularis* from Kathmandu University, Nepal in 2006.
- Awards:** Best Poster Award (2017) by Annual Meeting of Korean Society for Stem Cell Research, Korea. Best Student Session Award, Oral Presentation (2015) by Korean Tissue Engineering and Regenerative Medicine Society, Korea. Silver Jubilee Scholarship Scheme (2008-2010) by ISSR, Government of India.
- Expertise:** Stem Cell Biology. Tissue Regeneration. Medical Biotechnology.
- Professional Affiliation:** Korean Tissue Engineering and Regenerative Medicine Society, Korea. Life Member, Biotechnology Society of Nepal. Life Member, Nepal Pharmaceutical Association.
- Correspondence:** **Mailing Address:** 669/36 Pahiko Sadak, Nayabazar-16, Kathmandu, Nepal. **Phone number/Cell:** 9863460624. **E-mail:** kshitizrajshrestha@gmail.com



### 399. Kumud Raj Kafle (M; 1969; Ramechhap, Nepal)

- Category:** Geology. Environmental Science. Disaster Management.
- Current Affiliation:** Associate Professor, Kathmandu University, Dhulikhel, Kavre.
- Past Experiences:** Engineering Geologist, Impregilo Spa in Kaligandaki. Manager, Engineering Geologist and Site Incharge, Kajima-Daewoo JV, Dhauliganga Hydro-Electric Project (280 MW), Uttaranchal Pradesh, India. Associate Professor, Kathmandu University.
- Education:** PhD in Assessment of Post Disaster Impact after Koshi Flood 2008 from Kathmandu University, Nepal in 2016. MSc in Geology and Natural Resources Management from Tribhuvan University and Pokhara University in 1995 and 2005. BSc in Geology, Physics, Mathematics from Tribhuvan University in 1993.
- Awards:** Nepal Vidhya Bhusan (2017) by President of Nepal. Best Research Award (2018) by University of New South Wales, Australia. Erasmus Mondus, Scholarship of European Union (2011) by European Union.
- Expertise:** Geosciences with Focus on Disaster Management. Geo-Hazard Environment. Slope Stabilities. Environmental Geology. Engineering Geology.
- Professional Affiliation:** Associate Professor, Kathmandu University, Dhulikhel, Kavre.
- Correspondence:** **Mailing Address:** Kathmandu University, Dhulikhel, Kavre, Nepal. **Phone number/Cell:** 9841851319, **E-mail:** krkafle@ku.edu.np



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### 400. Kundan Lal Shrestha (M; 1977; Lalitpur, Nepal)

- Category:** Environmental Engineering.
- Current Affiliation:** Assistant Professor, Department of Environmental Science and Engineering School of Science, Kathmandu University, Dhulikhel, Kavre.
- Past Experiences:** JSPS Post-Doctoral Fellow, Osaka University, Japan.
- Education:** PhD in Sustainable Energy and Environmental Engineering from Osaka University, Japan in 2010. ME in Sustainable Energy and Environmental Engineering from Osaka University in 2007. BTech in Chemical Engineering from Aligarh Muslim University, India in 2000.
- Awards:** Japan Society for the Promotion of Science (JSPS) Post-Doctoral Fellowship (2010) by JSPS.
- Expertise:** Air Quality Modeling. Water Resource Modeling. Urban Environmental Pollution.
- Professional Affiliation:** Nepal, Japan Society for the Promotion of Science (JSPS) Alumni Association (NJAA), Lalitpur. Japanese Universities Alumni Association, Nepal.
- Correspondence:** **Mailing Address:** Department of Environmental Science and Engineering School of Science, Kathmandu University, Dhulikhel, Kavre, Nepal. **Phone number/Cell:** 9851063631. **E-mail:** kundana@ku.edu.np



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**401. Lal B Thapa Magar (M; 1975; Kailali, Nepal)**

**Category:** Botany.

**Current Affiliation:** Assistant Professor, Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu.

**Past Experiences:** Assistant Professor, Aishwarya Multiple Campus, Dhangadhi, Kailali. Higher Secondary Teacher, Aishwarya Vidya Niketan, Dhangadhi, Kailali. Higher Secondary Teacher, National Academy of Science and Technology, Dhangadhi, Kailali.

**Education:** PhD in Impacts of Invasive Alien Species in Native Vegetation in Central Nepal from Prince of Songkla University, Thailand in 2016. MSc in Effects of Plant Growth Regulators on Seed Germination and Seedling Growth in *Nardostachys grandiflora* DC from Tribhuvan University, Nepal in 2002. BSc in Biology from Tribhuvan University in 1999.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2017) by Government of Nepal.

**Expertise:** Plant Invasion Biology. Plant-Soil Microbial Interaction. Plant Stress Physiology.

**Professional Affiliation:** Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu.

**Correspondence:** **Mailing Address:** Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 9848420938. **E-mail:** lal\_thapa25@yahoo.com, lal.thapa@cdbtu.edu.np



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**402. Lal Babu Prasad Yadav (M; 1969; Bara, Nepal)**

**Category:** Zoology.

**Current Affiliation:** Assistant Professor, Thakur Ram Multiple Campus, TU, Birganj-11, Nepal.

**Past Experiences:** Assistant Professor, Thakur Ram Multiple Campus, TU, Birganj, Nepal.

**Education:** PhD in Zoology from DDU Gorakhpur University, Gorakhpur (UP), India in 2018. MSc in Zoology from TU, Nepal in 1996. BSc in Zoology from TU, Nepal in 1992.

**Awards:** Nepal Vidhya Bhusan A (2019) by President of Nepal.

**Expertise:** Teaching Cum Research.

**Professional Affiliation:** Thakur Ram Multiple Campus, TU, Birganj-11, Nepal.

**Correspondence:** **Mailing Address:** Thakur Ram Multiple Campus, TU, Birganj-11, Nepal. **Phone number/Cell:** 9855025032. **E-mail:** yadavlb2@gmail.com



#### 403. Laxman Poudel (M; 1968; Chitwan, Nepal)

**Category:** Mechanical Engineering. Hydro Power.

**Current Affiliation:** Professor and Campus Chief, Department of Mechanical Engineering, Pulchowk Campus, IOE, Tribhuvan University.

**Past Experiences:** Director, Bindhyabasini Hydropower Development Company Limited. Design and Business Consultant, Machhapuchhre Metal and Machinery Works Pvt Ltd.

**Education:** PhD in Study on Sediment Characterization and its Impact on Hydraulic Turbine Material from Kathmandu University, Nepal in 2013. ME in Geo-Physical Influences on Hydro Power: A Case Study of Penstock Pipey from Kathmandu University in 2007. BE in Mechanical Engineering from the Institution of Engineers, India in 1993.

**Expertise:** Mechanical Engineering. Hydraulic Machineries. Sediment Characterization.

**Professional Affiliation:** Engineering Council. Nepal Engineers' Association. Mechanical Association.

**Correspondence:** **Mailing Address:** Department of Mechanical Engineering, Pulchowk Campus, IOE, Tribhuvan University, Nepal. **Phone number/Cell:** 9856023822. **E-mail:** laxman@ioe.edu.np



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#### 404. Laxmi Prasad Devkota (M; 1964; Gorkha, Nepal)

**Category:** Engineering.

**Current Affiliation:** Academician, Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal.

**Past Experiences:** Member, National Planning Commission. Executive Chairman, Budhigandaki Hydro-Electric Project Development Committee. Executive Director, Nepal Development Research Institute.

**Education:** PhD in Hydrology from Nagoya University, Japan in 1997. ME in Water Resources from Asian Institute of Technology, Thailand in 1992. BSc in Agricultural Engineering from University of Agriculture, Pakistan in 1990.

**Awards:** Asian Institute of Technology Academic and Research Excellence Award (2012) by Asian Institute of Technology, Thailand. Gold Medal (1990) by University of Agriculture, Faisalabad, Pakistan. MONBUSHO Scholarship (1993) by Japanese Government.

**Expertise:** Water Resources Engineering and Management. Development Policy and Planning. Teaching and Research.

**Professional Affiliation:** Nepal Academy of Science and Technology, Khumaltar, Lalitpur. Water Modeling Solutions, Lalitpur.

**Correspondence:** **Mailing Address:** Tyanglaphat, Kirtipur-1, Kathmandu, Nepal. **Phone number/Cell:** 9851010687. **E-mail:** lpdevkota@nast.gov.np, lpdevkota1@gmail.com



**405. Laxmi Prasad Thapa (M; 1976; Terhathum, Nepal)**

- Category:** Biotechnology. Molecular Biology. Biochemistry. Chemistry.
- Current Affiliation:** Senior Scientist, Polytechnic Research Institute of Nepal, Koteshwor, Kathmandu.
- Past Experiences:** Senior Scientist, NAST, Lalitpur. Research Professor, Korea University, Seoul. Assistant Professor, Tri-Chandra Campus.
- Education:** PhD in Biochemistry from Sun Moon University, Republic of Korea in 2008. MSc in Chemistry from Tribhuvan University in 2002. BSc in Biology and Chemistry from Tribhuvan University in 2000.
- Awards:** First Presentation Award (2015) by 2nd Research World International Conference, New York.
- Expertise:** Biochemistry. Biotechnology. Molecular Biology. Metabolic Engineering. Gene Cloning. Gene Expression. Protein Preparation. Enzyme Purification. Bioenergy. Biofuel. Data Analysis. Bioinformatics. Natural Product Chemistry. Natural Products Analysis by HPLC, GC, GC/MS, MS, MS/MS, NMR.
- Professional Affiliation:** Tri-Chandra Campus. Polytechnic Research Institute of Nepal. Himalaya Research Institute of Biotechnology Pvt Ltd.
- Correspondence:** **Mailing Address:** Tehrathum, Phedap-1, Nepal. **Phone number/Cell:** 9861935939. **E-mail:** thapalaxmi555@yahoo.com



**406. Laxmi Tamang (F; 1971; Sunsari, Nepal)**

**Category:** Public Health.

**Current Affiliation:** President, Midwifery Society of Nepal, Kumari Marga-3, Tripureshwor, Kathmandu.

**Past Experiences:** Managing Director, APS Prasuti Tatha Prajanan Swasthya Kendra. Senior Programme Officer, GIZ. Social Mobilisation Officer, CARE Nepal.

**Education:** PhD in Sexual and Reproductive Health Service Knowledge and Use Among Youth in the Kathmandu Valley, Nepal: Influence of Gender-power Relations from The University of Sydney, Australia in 2015. Master in Public Health in Knowledge, Attitudes and Practices in Relation to Maternal Health Care in Rural Nepal: A Study of Married Women of Reproductive Age and Their Household Heads from the University of New South Wales, Australia in 2006. Bachelor of Nursing in Nurses' Knowledge on Nasogastric Tube Feeding in the Selected Wards of Patan Hospital from Tribhuvan University in 2000.

**Awards:** Informal Learning Opportunity (2019) by Australian Awards, Australian Government. International Confederation of Midwives Research Award (2017) by International Confederation of Midwives. Australian Government, Prestigious Australian Leadership Award (2011) by Australian Government.

**Expertise:** Mixed Methods Research. Sexual and Reproductive Health and Rights. Gender Power Relations.

**Professional Affiliation:** Nepal Nursing Council, Bansbari, Kathmandu. Midwifery Society of Nepal, Kathmandu. Association of Nepalese Alumni from Australia (ANAA), Kathmandu.

**Correspondence:** **Mailing Address:** 150/31, Kumari Marga-3, Tripureshwor, Kathmandu, Nepal. **Phone number/Cell:** 9841562502. **E-mail:** laxmitamang@gmail.com



**407. Leela Pradhan Joshi (F; 1965; Kathmandu, Nepal)**

**Category:** Physics.

**Current Affiliation:** Professor, Amrit Campus, Tribhuvan University, Lainchour, Kathmandu.

**Past Experiences:** Post-Doctoral Research Associate, Kent State University, Kent, OH, USA.

**Education:** PhD in Condensed Matter Physics from Kent State University, United States in 2009. MSc in Physics from Tribhuvan University in 1988. BSc in Physics from Tribhuvan University in 1985.

**Awards:** Outstanding Paper Award (2005) by Kent State University. Nepal Vidhya Bhushan 'Ka' (2010) by Government of Nepal. Best Teacher Award (2018) by Amrit Campus, Tribhuvan University.

**Expertise:** Characterization of Various Type of Liquid Crystal Materials and Semiconducting Materials for LCD, Dye-Sensitized Solar Cell, and Gas Sensors. X-Ray Diffraction. Polarizing Microscopy. Thin Film Deposition and its Characterization in Nanotechnology.

**Professional Affiliation:** Kent State University, Kent, Ohio, USA. Tribhuvan University, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Amrit Campus, Tribhuvan University, Kathmandu, Nepal. **Phone number/Cell:** +97714444359/984382254. **E-mail:** leela.pradhan@gmail.com



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**408. Lekh N. Sharma (M; 1976; Nawalparasi, Nepal)**

**Category:** Analytical Chemistry.

**Current Affiliation:** Chief Scientific Officer/Lab Director, Vision Laboratories, LLC, 6130 Shallowford Road, Suite 100.

**Past Experiences:** Post-Doctoral Scientist, University of Georgia, GA, USA. Graduate Research Assistant, Baylor University, TX, USA.

**Education:** PhD in Analytical Chemistry-LCMS/MS method development for the characterization of value added products in complex biological matrices from Baylor University, Waco, TX, United States in 2009. MSc in Physical Chemistry from Tribhuvan University, Kathmandu, Nepal in 2002. BSc in Chemistry, Zoology from Lucknow University, Lucknow, India in 1999.

**Awards:** Marquis Who Is Who of American Young Scientists (2011) by Marquis Who Is Who.

**Expertise:** Clinical Toxicological Method Developments Using High Complexity Instrumentations/Drug Testing/Toxicology. Pharmacogenomic Testing to Map Individual's DME to Metabolize Certain Drugs to Aid Personalized Medicine.

**Professional Affiliation:** National Registry of Certified Chemists. American Association for Advancement of Science. American Chemical Society.

**Correspondence:** **Mailing Address:** 1049 Manassas Dr. **Phone number/Cell:** 2543666596. **E-mail:** lekhnaths@hotmail.com



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#### 409. Lekh Nath Dahal (M; 1984; Terhathum, Nepal)

**Category:** Immunology. Cancer Immunotherapy.  
**Current Affiliation:** Principal Investigator, University of Liverpool, Liverpool, UK.  
**Past Experiences:** Senior Research Fellow, University of Southampton, UK. Research Fellow, University of Aberdeen, UK.  
**Education:** PhD in Immunology-Soluble CTLA-4 in immune regulation from University of Aberdeen, United Kingdom in 2010. MSc in Cellular and Molecular Immunology from University of Aberdeen, United Kingdom in 2007. BSc in Microbiology from Tri-Chandra College, Tribhuvan University, Nepal in 2005.  
**Awards:** NWCR Underpinning Research Project Award (£248,000) (2020-2023) by North West Cancer Research incorporating Clatterbridge Cancer Research. Cancer Research Endowment Fund (£80,000) (2020-2023) by ITM Cancer Research Endowment. Travel Grant/Fellowship (£15,000) (2021-2023) by MRC-KHIDI UK-Korea Partnering Awards.  
**Expertise:** Immunology. Cancer Immunotherapy. Autoimmunity.  
**Professional Affiliation:** Institute of Systems, Molecular and Integrative Biology. Faculty of Health and Life Sciences. University of Liverpool, UK.  
**Correspondence:** **Mailing Address:** Sherrington Building, Ashton Street, University of Liverpool. **Phone number/Cell:** 07984043346. **E-mail:** L.N.Dahal@liverpool.ac.uk



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#### 410. Lok Ranjan Bhatt (M; 1971; Baitadi, Nepal)

**Category:** Botany. Natural Product Development.  
**Current Affiliation:** Senior Scientific Officer, Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal.  
**Past Experiences:** Instructor, Department of Bionanochemistry, Wonkwang University, Korea. Post-Doctoral Researcher, Wonkwang University, Teaching Assistant, Tribhuvan University, Patan Multiple Campus, Lalitpur.  
**Education:** PhD in Natural Product Development, Isolation and Pharmacological Activities of The Constituents from Selected Medicinal Plants from Wonkwang University, Korea in 2007. MSc in Botany-Physico-Chemical Characteristics and Phytoplanktons of Taudaha Lake from Tribhuvan University, 1996. BSc in Biology, Chemistry from Tribhuvan University, Patan Multiple Campus in 1993.  
**Awards:** Nepal Vidhya Bhusan 'Ka' (2012) by President of Nepal. Best Poster Award (2009) by Korean Society of Chitin and Chitosan. Doctoral Research Fellowship (2004) by Government of Korea.  
**Expertise:** Botany. Natural Products. Biomaterials. Biopolymers.  
**Professional Affiliation:** Botanical Society, Nepal. Korean Pharmaceutical Society. Society of Cosmetics and Public Health, Korea.  
**Correspondence:** **Mailing Address:** Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** +97715547714/9849861109. **E-mail:** lokranjan2000@yahoo.com



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**411. Madan Koirala (M; 1956; Sunsari, Nepal)**

**Category:** Environmental Science.

**Current Affiliation:** Professor, Tribhuvan University, Central Department of Environmental Science, Tribhuvan University, Kirtipur.

**Past Experiences:** Scientific Adviser, Ministry of Environment, Science and Technology, Government of Nepal. Program Director, Primary School Nutritious Food Project, Ministry of Education and Sports, Government of Nepal. Program Director, School Feeding Program, Ministry of Social Welfare, Government of Nepal.

**Education:** PhD in Environmental Science, Mountain Environment from Jawaharlal Nehru University (JNU), India in 2002. MSc in Food and Nutrition Planning from University of the Philippines at Los Banos (UPLB), Philippines in 1993. BSc in Zoology, Botany, Chemistry from Tribhuvan University in 1975.

**Awards:** Long Term Service Award (2008) by Tribhuvan University, National Education Award (1991) by Ministry of Education, Government of Nepal.

**Expertise:** Climate Change. Mountain Environment. Biodiversity Conservation.

**Professional Affiliation:** Nepal Environment Society, Kathmandu. Himalayan University Consortium, ICIMOD, Kathmandu. ERASMUS+: EACEA University of Oviedo, Spain.

**Correspondence:** **Mailing Address:** E6, Sunrise City Homes Apartment, Thapagaon, Kathmandu, Nepal. **Phone number/Cell:** 014482681/9841259938. **E-mail:** madankoirala@gmail.com



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**412. Madan Kumar Paudel (M; 1978; Syangja, Nepal)**

**Category:** Pharmacognosy. Pharmaceutical Sciences. Herbal Medicines.

**Current Affiliation:** Director, Secured Life International Group, Chabahil, Kathmandu.

**Past Experiences:** Director, MS Tech, Japan.

**Education:** PhD in Pharmacognosy from Showa Pharmaceuticals, Kyushu University, Japan in 2017. MSc in Pharmaceuticals Sciences from Kyushu University, in 2012. BSc in Chemistry, Botany, Zoology from Tribhuvan University in 2005.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2019) by President of Nepal.

**Expertise:** Pharmacognosy. Pharmaceutical Sciences. Herbal Medicine.

**Professional Affiliation:** Karnali College, Gausala. Jubilant College, Kalanki.

**Correspondence:** **Mailing Address:** Walling-3 Syangja, Nepal. **Phone number/Cell:** 9860230003. **E-mail:** paudelmk@gmail.com



**413. Madan Lal Shrestha (M; 1949; Kathmandu, Nepal)**

**Category:** Meteorology. Climate Change.

**Current Affiliation:** Academician, Nepal Academy of Science and Technology, Khumaltar, Lalitpur.

**Past Experiences:** Director General, Department of Hydrology and Meteorology, Nepal. Scientist, SAARC Meteorological Research Centre (SMRC), Bangladesh. Permanent Representative of Nepal with WMO, Government of Nepal.



**Education:** PhD in Meteorology-Interannual Variation of 30-60 Day Oscillations and Their Structure During Summer and Winter from University of Hawaii, United States in 1986. MTech in Meteorology-Study of Radar Echoes with Special Interest on Bright Band from Andhra University, India in 1972. BSc in Physics, Mathematics, Statistics from Tri-Chandra College, Tribhuvan University, in 1969.

**Awards:** Mahendra Vidhya Bhusan 'Ka' (1987) by His Majesty's Government of Nepal. Mahendra Vidhya Bhusan 'Kha' (1972) by His Majesty's Government of Nepal. Science and Technology Promotion Award (2005) by Royal Nepal Academy of Science and Technology.

**Expertise:** Global Monsoon Meteorology. Climate Change. Snow and Glaciers.

**Professional Affiliation:** Visiting Professor, Nagoya University, Japan. Visiting Professor, Central Department of Environmental Science, Tribhuvan University. Scientific Planning Group Member, Asia Pacific Network for Global Change Research (APN), Japan.

**Correspondence:** **Mailing Address:** PO Box 19444, Kathmandu, Nepal. **Phone number/Cell:** +97714266499/9851041403. **E-mail:** madanls@hotmail.com

#### 414. Madan Sigdel (M; 1977; Tanahu, Nepal)

**Category:** Climatology.

**Current Affiliation:** Associate Professor, Central Department of Hydrology and Meteorology, Tribhuvan University, Kirtipur, Kathmandu.

**Past Experiences:** Assistant Professor, Tribhuvan University. Post-Doctoral Researcher, Chinese Academy of Sciences. Research Fellow, Hokkaido University.

**Education:** PhD in Hydro-Climatology of Nepal in Relation to Atmospheric Circulations and Indices from Hokkaido University, Japan in 2011. MSc in Meteorology and Environmental Science from Tribhuvan University, Nepal and Hokkaido University, Japan in 2001 and 2007. BSc in Physical Science from Tribhuvan University in 1998.

**Awards:** CAS PIFI Post-Doctoral Fellowship (2015) by Chinese Academy of Sciences, China. Nepal Vidhya Bhusan 'Ka' (2011) by Ministry of Education, Nepal. Monbusho Scholarship (2004) by Japanese Ministry of Education.

**Expertise:** Climatology. Agriculture Meteorology.

**Professional Affiliation:** Central Department of Hydrology and Meteorology, Tribhuvan University, Kirtipur, Kathmandu.

**Correspondence:** **Mailing Address:** Bharatpur-10, Chitwan, Nepal. **Phone number/Cell:** 4333887/9849513041. **E-mail:** sigdelbro@gmail.com



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#### 415. Madhav Giri (M; 1981; Nawalparasi, Nepal)

**Category:** Climate Change Adaptation and Vulnerability.

**Current Affiliation:** Managing Director, Prakriti Consult Pvt Ltd, Baneshwor, Kathmandu.

**Past Experiences:** Teaching Assistant, Tribhuvan University. Research Assistant, Politecnico di Torino.

**Education:** PhD in Effects of Climate Change on the Vulnerability of Farmers in Nepal from Politecnico Di Torino, Italy in 2014. MSc in Environmental Science from Tribhuvan University, Nepal in 2007. BSc in Environmental Science from Tribhuvan University, Nepal in 2005.

**Awards:** Erasmus Mundus (2011) by Erasmus Mundus by European Union.

**Expertise:** Climate Change Adaptation. Climate Change Vulnerability. Environmental Assessments.

**Professional Affiliation:** Amrit Campus, Tribhuvan University. Prakriti Consult Pvt Ltd.

**Correspondence:** **Mailing Address:** Devchuli-11, Dharapani, Nawalparasi, Nepal. **Phone number/Cell:** 9851190726. **E-mail:** madhavgirinp@gmail.com



**416. Madhav Prasad Koirala (M; 1963; Dolakha, Nepal)**

**Category:** Construction Engineering.

**Current Affiliation:** Associate Professor, School of Engineering, Pokhara University, Pokhara-30, Dhungepatan, Gandaki.

**Past Experiences:** Visiting Faculties, Institute of Engineering, Pulchowk. Visiting Faculties, Center for Postgraduate Study, Nepal Engineering College. Full Time Faculties, RITZ Engineering and Management College.

**Education:** PhD in The Risk in Housing and Real Estate Construction Project Study in Nepal from Singhania University, Jhunjhunu District, Rajsthan, India in 2012. MSc in Sand as a Construction Material Quality and its Supply Management from Center for Postgraduate study, Nepal Engineering College, Pokhara University, Nepal in 2009. BE in Civil Engineering from the Institution of Engineers, India in 1992.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2013) by Dr. Ram Baran Yadav, President of Nepal.

**Expertise:** Construction Project Management. Academic Research.

**Professional Affiliation:** Pokhara University, Pokhara-30, Gandaki, Nepal.

**Correspondence:** **Mailing Address:** PO Box 8975, EPC 1709, Kathmandu, Nepal. **Phone number/Cell:** 9851033922. **E-mail:** madhavkoirala9@gmail.com, mpkoirala@pu.edu.np



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**417. Madhav Prasad Neupane (M; 1983; Kapilvastu, Nepal)**

**Category:** Agronomy. Agriculture.

**Current Affiliation:** Assistant Professor, Agronomy, Agriculture and Forestry University, Rampur, Chitwan.

**Past Experiences:** Assistant Professor (Agronomy) Institute of Agriculture and Animal Sciences (IAAS), Lamjung Campus, TU, Lamjung.

**Education:** PhD in Agronomy-Nutrient management in baby corn (*Zea mays* L) from Banaras Hindu University, India in 2014. MSc in Agronomy-Integrated Nutrient Management in Baby Corn (*Zea mays* L) from Banaras Hindu University, Banaras, India in 2010. BScAg from Gorakhpur University, India in 2008.

**Awards:** Young Scientist Award-2019 On the occasion of 3rd International conference on Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE-2019).

**Expertise:** Effect of Soil and Foliar Nitrogen Application on Growth Yield and Quality of Baby Corn Cultivars. Effect of NPK Management and Bioinoculants on Growth And Yield of Wetland Rice. Nitrogen Management in Baby Corn.

**Professional Affiliation:** Agriculture and Forestry University, Bharatpur-15, Nepal.

**Correspondence:** **Mailing Address:** Agriculture and Forestry University, Bharatpur-15, Nepal. **Phone number/Cell:** +9779856037904. **E-mail:** mpneupane@afu.edu.np/ mpneupane66@gmail.com



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**418. Madhav Prasad Pandey (M; 1970; Syangja, Nepal)**

**Category:** Agriculture.

**Current Affiliation:** Professor, Agriculture and Forestry University, Rampur, Chitwan, Nepal.

**Past Experiences:** Associate Professor, Tribhuvan University. Technical Officer, Nepal Agricultural Research Council.

**Education:** PhD in Agriculture-Plant Breeding from Justus Liebig University, Germany in 2006. MSc in Agriculture-Plant Breeding from Dr. Rajendra Prasad Central Agricultural University, India in 1997. BSc in Agriculture from Tribhuvan University, Nepal in 1992.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2007) by Government of Nepal.

**Expertise:** Cereals Breeding. Genetic Diversity Assessment. Crop Germplasm Evaluation and Utilization. Plant Biotechnology. DNA Marker System. Tissue Culture. Bio-Statistics. Field Experiments.

**Professional Affiliation:** German Society for Plant Breeding (GPZ), Germany. European Association for Research on Plant Breeding (EUCARPIA), EU. Agronomy Society of Nepal.

**Correspondence:** **Mailing Address:** Faculty of Agriculture, Agriculture and Forestry University, Rampur, Chitwan, Nepal. **Phone number/Cell:** 9855081410. **E-mail:** mppandey.pb@gmail.com



**419. Madhu Krishna Shrestha (M; 1963; Dolakha, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Engineer, Foundations Group, 520 W 27th St STE 302, New York, NY 10001.

**Past Experiences:** Senior Estimator, Central Construction LLC, New York. Manager, Structure Tech LLC, New York.

**Education:** PhD in Efficiency Management in Construction from Moscow State University in Civil Engineering, Russian Federation in 2001. MSc in Design of Highway and Bridges from Kharkov Automobile and highway Institute, Ukraine in 1993. BSc in Design of Bridges from Kharkov Automobile and Highway Institute, Ukraine in 1990.

**Awards:** Mahendra Vidhya Bhusan (2002) by Nepal Government.

**Expertise:** Estimating and Costing. Project Management. Feasibility Study-Budget Analysis.

**Professional Affiliation:** Moscow State University of Civil Engineering, Yaroslavskoye Shosse, 26, Moscow, Russia, 129337.

**Correspondence:** **Mailing Address:** 4142 Elbertson St, apt 603. **Phone number/Cell:** 9293269325. **E-mail:** msbiznet@gmail.com



**420. Madhu Sudan Dahal (M; 1984; Kathmandu, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Senior Engineer, Central Office, Nepal Telecom, Bhadrakali Plaza.

**Past Experiences:** Researcher, Institute of Engineering, Tribhuvan University.

**Education:** PhD in Energy Efficiency Improvement in Green Wireless Communication from Tribhuvan University, Nepal in 2019. MSc in Energy Engineering from Institute of Engineering, Tribhuvan University, Nepal in 2010. BE in Electronics and Communication Engineering from Institute of Engineering, Tribhuvan University, Nepal in 2006.

**Awards:** Journal Award (2019) by NAST.

**Expertise:** Research Article Writing with Editing, Reviewing and Proof Reading. Data Analysis. R Language. SPSS. MATLAB. Traffic Engineering of Wireless Communication. Energy Efficiency in Wireless Communication.

**Professional Affiliation:** Nepal Telecom, Central Office. Visiting Faculty Member, Institute of Engineering.

**Correspondence:** **Mailing Address:** Gothatar, Kageshwori Manahara-8, Kathmandu, Nepal. **Phone number/Cell:** 9851052227. **E-mail:** msdahal@ioe.edu.np



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**421. Madhu Sudan Kayastha (M; 1980; Chitwan, Nepal)**

**Category:** Semiconductor. Nanotechnology.

**Current Affiliation:** Associate Professor, School of Engineering, Faculty of Science and Technology, Pokhara University, Pokhara, Kaski, Nepal.

**Past Experiences:** Associate Professor and Principal, Kathford International College of Engineering and Management, Tribhuvan University. Researcher, Chubu University, Kasugai, Japan.

**Education:** PhD in New Spatial Light Modulators Using Ultrahigh-Purity Thick GaAs Epitaxial Layer from Chubu University, Kasugai, Japan in 2011. ME in Thermal Crosstalk in Integrated DFB Laser and EA Modulator from Chubu University, Kasugai, Japan in 2008. BE in Electronics and Communication from Pokhara Engineering College, Pokhara University, Nepal in 2004.

**Awards:** Monbukasho (2008) by Japanese Government.

**Expertise:** Semiconductor. Nanotechnology. Graphene.

**Correspondence:** **Mailing Address:** Pokhara-30, Kaski, Nepal. **Phone number/Cell:** 9823610720. **E-mail:** madhusudan@pu.edu.np



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**422. Mahadeb Prasad Poudel (M; 1970; Chitwan, Nepal)**

**Category:** Agriculture Science.

**Current Affiliation:** Senior Agri-Economist, Department of Agriculture, Hariharbhawan, Lalitpur, Nepal.

**Past Experiences:** Senior Agri-Economist, Ministry of Agricultural and Livestock Development. Senior Agri-Economist, Department of Agriculture. Agri-Economist, DADO, Udayapur.

**Education:** PhD in Agricultural Economics (Ares Yield Insurance of Rice, Maize, and Wheat in Nepal: Parametric and Non-Parametric Approaches) from National Pingtung University of Science and Technology, Taiwan in 2013. MSc in International Agriculture (Socio-Economics Factors Influence the Farming of Commercial Vegetable Farming: A Case of Chitwan District, Nepal from Larenstein University of Professional Education, Netherlands in 2006. BSc in Agriculture (Agricultural Economics) from Institute of Agriculture and Animal Science, TU, Nepal in 1997.

**Awards:** Outstanding Research Award (2013) by National Pingtung University of Science and Technology. Employee of the Year (2008) by Region Agriculture Directorate, Central Region.

**Expertise:** Agriculture Insurance. Production and Price Risk Analysis. Value Chain Analysis. Food Security. Rural Development.

**Professional Affiliation:** Nepalese Agriculture Economic Society. American Agriculture Economic Society.

**Correspondence:** **Mailing Address:** Department of Agriculture, Harihar Bhawan, Lalitpur, Nepal. **Phone number/Cell:** 9845684896. **E-mail:** mahadebpoudel200@gmail.com



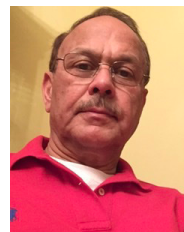
**423. Mahendra Kumar Giri (M; 1948; Kathmandu, Nepal)**



- Category:** Agricultural Entomology. Plant Protection. Sustainable Environment and Tourism.
- Past Experiences:** Environment Consultant (1995-1996), The World Bank, Kathmandu, Nepal. Advisor to the Prime Minister on Environment and Tourism. Member of Environment Protection Council (also Tourism Council, 1995), Prime Minister's Office, HMG, Singha Darbar. Reader (Zoology and Entomology), Central Campus, Tribhuvan University, Kirtipur. Chief, Natural History Museum (1993-95), TU. Program Officer (1984) for RONAST.
- Education:** PhD in Bionomics of *Dicondylus americanus* Perkins (Hymenoptera:Dryinidae) and Its Host *Delphacodes lutulenta* (Van Duzee) (Homoptera:Delphacidae) in Kentucky from University of Kentucky, Lexington, KY USA, United States in 1982. MSc in Biology of *Aphidius matricariae* and *Delphacodes lutulenta* from University of Kentucky, Lexington, KY, United States in 1979. BSc in Botany, Chemistry and Zoology from Tribhuvan University, Kathmandu, Nepal in 1966.
- Awards:** Two Awards for MSc & PhD (1969 and 1983 respectively) by HM, the King Birendra. Fulbright and Hays Scholarship (1976) by USA. Best Student, Securing Highest in MSc (1968) by Tribhuvan University.
- Expertise:** Training and Running of Travel and Tour Agency in Auckland, New Zealand 2001-2012. Environmental Consultant for EIA, Nature Conservation (Biodiversity) and Operation of Sustainable Tourism (1985-1996). National Development Service (NDS) Program. Book Writing.
- Correspondence:** **Mailing Address:** 154B Rockfield Road, Penrose, Auckland, NZ 1061. **Phone number/Cell:** +6495802245/+6422765377. **E-mail:** mahendra.giri@gmail.com

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**424. Mahendra Kumar Karki (M; 1951; Jhapa, Nepal)**



**Category:** Atmospheric Science.  
**Current Affiliation:** Senior Research Scientist, NASA Godard Space Flight Center, Bldg 33 Rm C128, 8800 Greenbelt Rd, MD.  
**Past Experiences:** Research Assistant, Florida State University, Tallahassee, Florida. Graduate Research Assistant, University of Maryland, College Park, Maryland. Scientific Programmer, NASA/GSFC, Greenbelt, Maryland.  
**Education:** PhD in Vertical Heating profile from Satellite Data from Florida State University, United States in 1995. MSc in Retrieval of Tracer Distribution from University of Maryland, United States in 1985. BSc in Physics, Statistics from Tri-Chandra College, Tribhuvan University, Nepal in 1970.  
**Awards:** Scientific Performance Award (2009) by GMAO/NASA/GSFC.  
**Expertise:** Precipitation Assimilation. Microwave/Sw/LW Radiation. Scientific Programming and Data Management.  
**Professional Affiliation:** American Meteorological Society. American Geophysical Union.  
**Correspondence:** **Mailing Address:** 6287 Woodcrest Dr, Ellicott City MD 21043. **Phone number/Cell:** 4435406261. **E-mail:** mah\_karki@yahoo.com

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**425. Mahesh K.C. (M; 1988; Baitadi, Nepal)**



**Category:** Veterinary Science. Virology. Molecular Diagnostic. BSL-3 Work Experience. Gene Editing Technique (CRISPR/Cas9).  
**Current Affiliation:** Post-Doctoral Scientist, Center for Vaccines and Immunity in Abigail Wexner Research Institute, Nationwide Children's Hospital, Columbus, Ohio, USA.  
**Past Experiences:** Graduate Research Associate, The Ohio State University, USA. Dairy Value Chain Development Project Manager, GIZ Nepal/Udaymsil Agriculture Multipurpose Cooperatives Limited, Nepal. Rotaractor, Rotaract Club of Narayangarh, Nepal.  
**Education:** PhD in Comparative and Veterinary Medicine from The Ohio State University, United States in 2020. MSc in Animal Sciences from The Ohio State University, United States in 2017. BVSc and AH from Institute of Agriculture and Animal Science, TU, Nepal in 2014.  
**Awards:** Ben S. Pomeroy Award for Best Oral Presentation (2019) by North Central Avian Disease Conference, USA. Dr. Redman and Food Animal Health Research Program Graduate Student Travel Award (2018) by Food Animal Health Research Program, The Ohio State University, USA. The David A. Benfield Student Fellowship Travel Award (2014) by North American PRRS Symposium, USA.  
**Expertise:** Virology. Molecular Diagnostics. BSL-3 Work Experience.  
**Correspondence:** **Mailing Address:** 3615 Beulah Circle, Apt. A, Columbus, Ohio, 43224 USA. **E-mail:** Mahesh.KC@nationwidechildrens.org, kcmahesh12@gmail.com

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**426. Mahesh Kumar Adhikari (M; 1951; Rautahat, Nepal)**

**Category:** Mycology and Biodiversity.

**Current Affiliation:** Secretary, Nepal Academy of Science and Technology (NAST), Khumaltar, Lalitpur, Nepal.

**Past Experiences:** Deputy Director General (2006-2009), Department of Plant Resources, Thapathali, Kathmandu. Professor and Campus Chief (2002-2003), Science and Technology Campus, Purbanchal University, Nepal. Chief (Senior Research Officer) (1999-2002), National Herbarium and Plant Laboratories, Godawari, Lalitpur. Project Incharge (1974-1983), Herbal Farms, Department of Plant Resources, Thapathali, Kathmandu, Nepal. Assistant Lecturer (1973-1974), Ramsworup Ramsagar Multiple Campus, Tribhuvan University, Janakpur, Nepal.



**Education:** DSc in Mycology and Biodiversity (Mushrooms and Plant Pathogenic Fungi) from Universite Paul Sabatier, Toulouse, France in 1996. MSc in Botany from Tribhuvan University, Kathmandu, Nepal in 1973.

**Awards:** Young Scientist Travel Fellowship Award (1992) by ICSU/COSTED/ UNESCO, India. Shree Panch Birendra Rajyarohan (1996) by Ministry of Forestry and Soil Conservation, Government of Nepal. Mahendra Vidhya Bhusan Padak (Gold Medal 'Ka') (1997) by King Birendra Bir Bikram Shah Dev, Government of Nepal. Science and Technology Award (2017) by Nepal Academy of Science and Technology (NAST), Nepal. National Botanical Award (2020) by Ministry of Forest, Soil and Environment Department of Plant Resources, Government of Nepal.

**Expertise:** Mycology. Biodiversity.

**Professional Affiliation:** Founder Life Member, The Natural History Society of Nepal (NAHSON). Founder and Life Member, NBS. Founder Life Member, The Mycological and Phytopathological Society, Nepal (MAPSON)

**Correspondence:** **Mailing Address:** Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** +97715547715/5542894/ 4411287. **E-mail:** mahesh@mkadikari.com.np

**427. Mahesh Kumar Gajurel (M; 1975; Mahottari, Nepal)**



**Category:** Psychosocial Counseling. Hospital Administration. Psychologic Research.

**Current Affiliation:** Lecturer, Bal Kumari College, TU in Narayangarh, Chitwan. Lecturer, Birendra Multiple Campus, TU, Bharatpur Chitwan. Chairman, Community Health and Research Center Bharatpur-10, Chitwan. Chairman, Puspa Polyclinic, Tandi, Chitwan, Nepal.

**Past Experiences:** Lecturer, College of Medical Sciences (Teaching Hospital), Bharatpur, Chitwan. CEO, Advanced Community Hospital, Bharatpur-10, Chitwan. Founder & Managing Director, 15 bedded-Madi Pushpanjali Community Hospital, Basantapur, Madi, Chitwan, Nepal. Founder Chairman and Managing Director, 55 bedded Puspanjali Hospital Pvt Ltd, Bharatpur, Chitwan, Nepal. Lecturer, Bishow Prakash HSS in Kalyanpur, Chitwan.

**Education:** PhD in Health Education from Rajashree Chandan University, Ilahabad, India in 2017. PhD in Clinical Psychology Techno Global University, India in 2012. MPhil in Clinical Psychology in Education from Global Open University, India in 2010. MA in Sociology from Tribhuvan University in 2008. MEd Health and Physical Education from Purbanchal University in 2007. MA in Political Science from TU, Nepal in 2019.

**Expertise:** Health Education. Access to Health Research. Psychosocial Counseling. Hospital Administration. Psychologic Research.

**Correspondence:** **Mailing Address:** Bharatpur-10, Balmandir Chowk, Chitwan. **Phone No:** 014216819/9855057677. **Email:** mkgajurel@gmail.com

**428. Mahesh Kumar Joshi (M; 1980; Dadeldhura, Nepal)**

**Category:** Chemistry. Nanotechnology. Material Science.

**Current Affiliation:** Associate Professor, Tribhuvan University, Tri-Chandra Multiple Campus, Ghantaghar, Kathmandu, Nepal.

**Past Experiences:** Visiting Scientist, Fudan University, Shanghai, China. Post-Doctoral Fellow, Chonbuk National University, Republic of Korea. Assistant Professor, Tribhuvan University, Nepal.

**Education:** PhD in Nanotechnology, Synthesis and Characterization of Three-Dimensional Nanofibrous Scaffolds for Tissue Engineering Applications from Chonbuk National University, Republic of Korea in 2016. MSc in Chemistry from Tribhuvan University, Nepal, in 2003. BSc in Chemistry from Tribhuvan University, Nepal in 2001.

**Awards:** Young Scientist Award (2019) by NAST. Nepal Vidhya Bhusan 'Ka' (2018) by Government of Nepal.

**Expertise:** Material Science. Nanotechnology. Chemistry.

**Professional Affiliation:** Nepal Chemical Society, Kathmandu Nepal. Korean Chemical Society, Republic of Korea. International Association of Advanced Materials, Sweden.

**Correspondence:** **Mailing Address:** Department of Chemistry, Tri-Chandra Multiple Campus, TU, Kathmandu, Nepal. **Phone number/Cell:** 9869288001. **E-mail:** joshimj2003@yahoo.com



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**429. Mahesh Sapkota (M; 1987; Rupandehi, Nepal)**

**Category:** Bioscience.

**Past Experiences:** Researcher, Chonbuk National University.

**Education:** PhD in Oral-Bioscience from Chonbuk National University, Republic of Korea in 2018. MSc in Oral-Bioscience from Chonbuk National University, South Korea in 2015. BSc in Microbiology from Tribhuvan University, Nepal in 2009.

**Correspondence:** **Mailing Address:** 1/12 Blacktown, Sydney NSW. **Phone number/Cell:** 0404558554. **E-mail:** sapkotamahesh3@gmail.com



**430. Maheshwar Dhakal (M; 1970; Syangja, Nepal)**

**Category:** Forestry Science.

**Current Affiliation:** Joint Secretary, Ministry of Forests and Environment, Singha Darbar, Kathmandu, Nepal.

**Past Experiences:** Chief, Biodiversity and Environment Division, Ministry of Forests and Environment. Deputy Director General, Department of National Parks and Wildlife Conservation. Ecologist, Department of National Parks and Wildlife Conservation.

**Education:** PhD in Forest Resource Economics from University of Tsukuba, Japan in 2009. MSc in Environment Science from University of Tsukuba, Japan in 2006. BSc in General Forestry from Institute of Forestry, Tribhuvan University, Nepal in 1996.

**Awards:** Fuji Xerox (2008) by Fuji Xerox, Kobayashi Foundation. Fuji Xerox (2007) by Fuji Xerox, Kobayashi Foundation. ITTO Fellowship (2006) by ITTO.

**Expertise:** Forestry. Biodiversity. Climate Change.

**Professional Affiliation:** Government of Nepal. Nepal Foresters' Association. Nepal PhD Association.

**Correspondence:** **Mailing Address:** Ministry of Forests and Environment, Singha Darbar, Kathmandu, Nepal. **Phone number/Cell:** 9851142405. **E-mail:** maheshwar.dhakal@gmail.com



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**431. Maheshwor Timilshina (M; 1985; Sindhupalchok, Nepal)**

**Category:** Immunology.

**Current Affiliation:** Post-Doctoral Fellow, Harvard University, Boston Children's Hospital, MA, USA.

**Past Experiences:** Post-Doc, Yeungnam University.

**Education:** PhD in Immunology-Role of LKB1 in T cell Metabolism from Yeungnam University, Republic of Korea in 2019. MSc in Medical Microbiology from St. Xavier's College, Tribhuvan University, Nepal in 2013. BSc in Microbiology from Tribhuvan University, Tri-Chandra College, Nepal in 2009.

**Awards:** Foreign Scholarship Award (2015) by Yeungnam University.

**Expertise:** Flow Cytometry. Western Blot. RT PCR.

**Professional Affiliation:** Yeungnam University. Harvard University.

**Correspondence:** **Mailing Address:** Saraswoti Nagar-32, Koteswor, Kathmandu, Nepal. **Phone number/Cell:** +9779843084876. **E-mail:** timelsena@hotmail.com



**432. Maheswor Shrestha (M; 1980; Kathmandu, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Senior Divisional Engineer, Water and Energy Commission Secretariat, Singha Durbar.

**Past Experiences:** Engineer, DOED.

**Education:** PhD in Towards Improved Snow and Glacier Melt Distributed Hydrologic Framework from University of Tokyo, Japan in 2012. MSc in Water Resources Engineering from Institute of Engineering, Nepal in 2008. BSc in Civil Engineering from Institute of Engineering, Nepal in 2004.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2012) by Government of Nepal. Nepal Vidhya Bhusan 'Kha' (2012) by Government of Nepal. Chancellor Medal (2009/10) by TU.

**Expertise:** Hydrologic Modeling. Cryosphere. Climate Change. Hydropower.

**Correspondence:** **Mailing Address:** Water and Energy Commission Secretariat, Singha Durbar, Kathmandu, Nepal. **Phone number/Cell:** 9841265385. **E-mail:** maheswor2037@yahoo.com



**433. Man Dev Bhatt (M; 1968; Baitadi, Nepal)**

**Category:** Botany.

**Current Affiliation:** Associate Professor, Siddhanath Science Campus, Mahendranagar, Bhimdatt-18, Kanchanpur.

**Past Experiences:** Head, Department of Botany, Siddhanath Science Campus, Mahendranagar. Central Subject Committee Member of Botany, Central Department of Botany Kritipur. Member of Management and Executive Committee, Siddhanath Science Campus, Mahendranagar.

**Education:** PhD in Botany-Floristic Composition and Certain Ecological Feature of Weeds in Relation to Paddy Cultivation in Foot hills of Far Western Nepal from Kumaun University Nainital, India in 2007. MSc in Botany from Kumaun University Nainital, India in 1992. BSc in Biological Group from Kumaun University Nainital, India in 1990.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2008) by Prime Minister Girija Prasad Koirala.

**Expertise:** Report Writing. Thesis Writing. Project Work Guide. Thesis Guiding. Works in Various Topics of Weed Science.

**Professional Affiliation:** Siddhanath Science Campus Mahendranagar. Member of Nepal Botanical Society. Central Subject Committee Member of Botany.

**Correspondence:** **Mailing Address:** Siddhanath Science Campus, Mahendranagar, Nepal. **Phone number/Cell:** 099523635/9848722189. **E-mail:** bhattmdrp@gmail.com



**434. Man Kumar Dhamala (M; 1981; Jhapa, Nepal)**

**Category:** Environmental Science.

**Current Affiliation:** Assistant Professor, Central Department of Environmental Science, Tribhuvan University, Kirtipur, Kathmandu.

**Past Experiences:** Research Coordinator, Nepal Engineering College, Center for Postgraduate Studies (nec-CPS). Academic Coordinator, MSc Environmental Science, Golden Gate International College.

**Education:** PhD in Environmental Science from Trinity College Dublin, University of Dublin, Ireland in 2013. MSc in Environmental Science from Tribhuvan University, Nepal in 2008. BSc in Environmental Science from Tribhuvan University, Nepal in 2004.

**Awards:** IRCSET Award (2008) by Irish Research Council. Trinity Trust Award (2012) by University of Dublin.

**Expertise:** Ecological Assessment. Biodiversity Conservation. Climate Change. Wildlife Assessment and Conservation.

**Professional Affiliation:** Central Department of Environmental Science, Tribhuvan University. Kirtipur, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** +9779813328877. **E-mail:** mkdhamala@cdes.edu.np



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**435. Mandira Pradhananga Adhikari (F; 1968; Lalitpur, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Assistant Professor, Central Department of Chemistry, Tribhuvan University, Kirtipur, Nepal.

**Past Experiences:** Research Assistant, HyARC, Nagoya University, Japan. Research Assistant, JST, Japan. Lecturer, Pulchowk Engineering College, TU, Nepal.

**Education:** PhD in Environmental Chemistry from Nagoya University, Japan in 2005. MSc in Chemistry from Tribhuvan University, Nepal in 1995. BSc in Chemistry, Biology from Tribhuvan University, Nepal in 1990.

**Awards:** Gold Medal (2000) by Government of Nepal. MSc Scholarship (1997) by Government of Japan. PhD (2002) by Government of Japan.

**Expertise:** Air and Water Pollution. Electro-Chemical Sensors. Carbon Chemistry.

**Correspondence:** **Mailing Address:** Central Department of Chemistry, TU, Kirtipur, Nepal. **Phone number/Cell:** 9860124950. **E-mail:** mandira43@hotmail.com



**436. Mandira Singh Shrestha (F; 1965; Kathmandu, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Senior Water Resources Specialist, ICIMOD.

**Past Experiences:** Senior Hydrologist, Butwal Power Company.

**Education:** PhD in Bias Adjustment of Satellite-Based Rainfall Estimates Over The Central Himalayas of Nepal for Flood Prediction from Kyoto University, Japan in 2011. MSc in Flow Through Wedgewire Screens from University of Washington, United States in 1990. BE in Maneri Bhali Hydropower Project in Uttarkashi from University of Roorkee, India in 1986.

**Awards:** Nepal Vidhya Bhusan Award Level 'A' (2012) by President of Nepal. Ronpaku Fellowship (2007-2010) by JSPS.

**Expertise:** Disaster. Risk Reduction and Transboundary Collaboration. Application of Space Based Technologies for Disaster Risk Reduction. Hydrology and Hydraulics.

**Professional Affiliation:** International Centre for Integrated Mountain Development (ICIMOD).

**Correspondence:** **Mailing Address:** 153 Nirajan Bikram Marg, New Baneshwor, Kathmandu-31, Nepal. **Phone number/Cell:** 9851039550. **E-mail:** mandira.shrestha@icimod.org.



**437. Mangala Devi Manandhara (F; 1947; Kathmandu, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Academician, Nepal Academy for Science and Technology, Khumaltar, Lalitpur, Nepal.

**Past Experiences:** Head of Department, Central Department of Chemistry, Tribhuvan University, Kirtipur.

**Education:** PhD in Chemical Investigation of Medicinal Plants from Kanpur University, Kanpur/CDRI, Lucknow, India in 1976. MSc in Organic Chemistry from Tribhuvan University, Nepal in 1969. BSc in Chemistry from Tribhuvan University Tri-Chandra College, Nepal in 1967.

**Awards:** Shree Panch Birendra Bigyan Tatha Prabidhi Pragyan Puraskar, 2057/58 (2001) by Nepal Academy of Science and Technology. Rastriya Pratibha Puraskar, 2055 (1998) by Government of Nepal. National Education Award (1988) by National Education Committee, Government of Nepal.

**Expertise:** Nature Products.

**Correspondence:** **Mailing Address:** 276/1 Salphant Marg, Bafal, Kathmandu, Nepal. **Phone number/Cell:** 4038166. **E-mail:** manandharmangala@gmail.com



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**438. Maniratna Aryal (M; 1982; Chitwan, Nepal)**

**Category:** Agriculture.

**Current Affiliation:** Senior Agriculture Economist, Ministry of Agriculture and Livestock Development, Singhadarbar, Kathmandu.

**Past Experiences:** Planning Officer, District Agriculture Development Office, Gulmi. Agricultural Economist, Market Research and Statistics Management Program, Hariharbhawan, Lalitpur.

**Education:** PhD in Impact of Climate Change on Agriculture Production and Adaptation by Smallholder Farmers in Nepal from IAAS, TU, Rampur, Chitwan, Nepal in 2017. MSc in Cost Benefit analysis of buffer zone management of Chitwan National Park, Chitwan, Nepal from IAAS, TU, Rampur, Chitwan, Nepal in 2008. BSc in Comparative Study of Local Paddy Vs Improved Paddy Uction from IAAS, TU, Rampur, Chitwan, Nepal in 2006.

**Awards:** Vidhya Bhusan Padak (2019) by Ministry of Education, Science and Technology, Nepal. Utkristha Suchana Adhikari (2018) by National Information Commission, Kathmandu.

**Expertise:** Climate Change. Economic Analysis of Agriculture Sector. Food Security. Value Chain.

**Professional Affiliation:** Nepal Agriculture Economic Society (NAES). Alumni Association of South and West Asia for Australia Awardees.

**Correspondence:** **Mailing Address:** Budhanilkantha-10, Baluwakhani, Kathmandu, Nepal. **Phone number/Cell:** 9845069826. **E-mail:** maniaryal7@gmail.com



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**439. Manish Baidya (M; 1986; Kathmandu, Nepal)**

**Category:** Environmental Health.

**Current Affiliation:** Research Lead, PHASE Nepal, Suryabinayak, Bhaktapur.

**Past Experiences:** Co-Principal Investigator, Aquatic Ecology Centre, Kathmandu University. Research Fellow, Aquatic Ecology Centre, Kathmandu University. Health Project Coordinator, Community Support Association of Nepal.

**Education:** PhD in Safe and Sustainable WASH to Reduce Health Vulnerability from Kathmandu University, Nepal in 2017. MSc in Status of Patient-Physician TRUST Among Adults of Rural Tamilnadu in Community Setting from SRM University, India in 2013. Bachelor's Degree in Development Studies-Effectiveness of Essential Health Care Service in Nepal from Kathmandu University, Nepal in 2010.

**Expertise:** Drinking Water Quality. Maternal Child Health and WASH. Climate Change and WASH.

**Professional Affiliation:** Nepal Health Professional Council. Society of Public Health Engineers Nepal.

**Correspondence:** **Mailing Address:** Maharajgunj-3, Kathmandu, Nepal. **Phone number/Cell:** 9841780447. **E-mail:** mnsbdy@gmail.com



**440. Manish Pokharel (M; 1967; Kathmandu, Nepal)**

**Category:** Computer Science and Engineering. Information Technology.

**Current Affiliation:** Professor, Kathmandu University, Kavre.

**Past Experiences:** Member, High Level Commission of Information Technology. Kathmandu University. Member, High Level Commission for Higher Education.

**Education:** PhD in Electronic Governance from Korea Aerospace University, Korea in 2011. ME in Software System from Birla Institute of Technology and Science, BITS, Pilani, India in 2000. BE in Computer Science and Engineering from Karnataka University, India in 1995.

**Awards:** Research Fellow (2002) by United Nation University, Macao.

**Expertise:** Electronic Governance. Artificial Intelligence and Internet of Things (IoTs). Cloud Computing and Big Data.

**Professional Affiliation:** Kathmandu University, Dhulikhel, Kavre.

**Correspondence:** **Mailing Address:** Dhulikhel, Kavre, Nepal. **Phone number/Cell:** 011661399/9849867460. **E-mail:** manish@ku.edu.np.



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**441. Manjip Shakya (M; 1982; Sankhuwasabha, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Sr. Lecturer, Khwopa Engineering College, Libali, Bhaktapur, Nepal.

**Past Experiences:** Member, Research Project on Architectural Structural Study of Cultural Heritage, MIE University, Japan. Reviewer, Singa Durbar Main Building Retrofitting, SSRC, Urban Development Ministry, Nepal. Member, Advisory Board, NBC Revision, NRA-CLPIU Building, MOUD, Nepal.

**Education:** PhD in Seismic Vulnerability Assessment of Slender Masonry Structures from University of Aveiro, Portugal in 2014. ME in Earthquake Engineering from Khwopa Engineering College, Nepal in 2010. BE in Civil Engineering from Eastern Engineering College, Nepal in 2007.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2016) by Ministry of Education, Government of Nepal. Best Junior Presentation Award (2011) by Department of Civil Engineering, University of Aveiro, Portugal. Full Scholarship to Study PhD in DE Civil at University of Aveiro, Portugal (2011) by Erasmus Mundus Action-2, EU-NICE program.

**Expertise:** Seismic Risk Analysis. Analysis and Retrofitting of Masonry Structure. Seismic Vulnerability Assessment.

**Professional Affiliation:** Part-time Faculty, Khwopa College of Engineering, Bhaktapur Nepal. Visiting Faculty, Kathmandu University, Dhulikhel, Nepal. Guest Lecturer, Shinshu University, Nagano, Japan.

**Correspondence:** **Mailing Address:** Chinpur-2, Sankhuwasabha, Nepal. **Phone number/Cell:** 9849280722. **E-mail:** maanzeep@gmail.com



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**442. Manju Showree Karmacharya (F; 1977; Bhaktapur, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Assistant Professor, Tribhuvan University, Bhaktapur Multiple Campus, Dudhpati, Bhaktapur.

**Past Experiences:** Teacher, Khwopa Higher Secondary School, Dekocha, Bhaktapur. Lecturer, Khwopa College, Dekocha, Bhaktapur. Part Time Lecturer, Padma Kanya Campus, Bagbazar, Kathmandu.

**Education:** PhD in Physicochemical Characteristics of Activated Carbon Obtained from Waste Tire and its Alumina Composite from Tribhuvan University, Nepal in 2017. MSc in Chemistry (Physical Chemistry) from Tribhuvan University, Nepal in 2001. BSc in Chemistry from Tribhuvan University, Nepal in 1999.

**Awards:** PhD Fellowship (2014) by Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal. Research Training Fellowship for Developing Country Scientists (RTF-DCS) 2014-15 (2015) by Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S and T Centre). Nepal Vidhya Bhusan 'Ka' (2018) by Government of Nepal.

**Correspondence:** **Mailing Address:** Byasi-2, Bhaktapur, Nepal. **Phone number/Cell:** 9841247625. **E-mail:** mskarmacharya@gmail.com



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**443. Manoj Kanskar (M; 1962; Kathmandu, Nepal)**

**Category:** Physics.

**Current Affiliation:** Vice-President, Advanced Technology, LIGHT Photonics, 5408 NE 88th St Bldg E, Vancouver, Washington, USA.

**Past Experiences:** Vice-President, Research & Development, Alfalight, Inc Director Device Technology, Lasertel. Semiconductor Laser Researcher, Spectra Physics.

**Education:** PhD in Condensed Matter Physics from University of Oregon, United States in 1994. MSc in Physics from University of Oregon, United States in 1987. BSc in Physics from Colby College, United States in 1985.

**Awards:** Sigma Pi Sigma (1985) by Physics Honor Society.

**Expertise:** Lasers. Semiconductor Lasers & Photonic Devices. Fiber Lasers.

**Professional Affiliation:** Optical Society of America-USA. SPIE - International Society for Optics and Photonics, Bellingham, Washington, USA. IEEE-Institute of Electrical and Electronics Engineers, Piscataway, New Jersey, USA.

**Correspondence:** **Mailing Address:** 4114 SE Ash St. **Phone number/Cell:** 3605539694. **E-mail:** manojkasah@gmail.com



#### 444. Manoj Kumar Lal Das (M; 1968; Chitwan, Nepal)

**Category:** Botany.

**Current Affiliation:** Associate Professor, Birendra Multiple Campus, Bharatpur.

**Past Experiences:** Assistant Lecturer, Birendra Campus. Lecturer, Birendra Campus.

**Education:** PhD in Evaluation of Fungicide on Fungi Causing Biodeterioration of Paper from Lalit Narayan Mithila University, India in 2001. MSc in Plant Pathology from Lalit Narayan Mithila University, India in 1994. BSc in Botany from Lalit Narayan Mithila University, India in 1990.

**Professional Affiliation:** Birendra Campus, Bharatpur, Chitwan.

**Correspondence:** **Mailing Address:** Birendra Multiple Campus, Bharatpur, Nepal. **Phone number/Cell:** 9845066760. **E-mail:** manojdas068@gmail.com



#### 445. Manoj Kumar Shah (M; 1976; Saptari, Nepal)

**Category:** Clinical Veterinary Medicine. Veterinary Surgery.

**Current Affiliation:** Associate Professor and Chair, Department of Surgery and Pharmacology, Faculty of Animal Science, Veterinary Science and Fisheries, Agriculture and Forestry University, Rampur, Chitwan, Nepal.

**Past Experiences:** Assistant Professor (2013-2018), Department of Surgery and Pharmacology, Faculty of Animal Science, Veterinary Science and Fisheries, Agriculture and Forestry University, Rampur, Chitwan, Nepal. Chair (2008-2013), Department of Pharmacology and Surgery, Institute of Agriculture and Animal Science, Rampur, Chitwan, Nepal, Tribhuvan University. Assistant Professor (2005-2013), Department of Pharmacology and Surgery, Institute of Agriculture and Animal Science, Tribhuvan University, Rampur, Chitwan, Nepal.

**Education:** PhD in Veterinary Surgery-Electroacupuncture Attenuates Visceral Hypersensitivity by Suppressing Spinal PAR-2 and CGRP Expressions in Animals with TNBS-Induced Ileitis from Huazhong Agricultural University, Wuhan, China in 2016. MS in Veterinary Surgery-Postoperative Pain Assessment After Rumenotomy in Black Bengal Goats using Local Analgesics from Bangladesh Agricultural University, Mymensingh, Bangladesh in 2004. BVSc and AH in Veterinary Medicine-Blood Biochemical Profile in Post Partum Anoestrus Cows from Institute of Agriculture and Animal Science, Tribhuvan University, Rampur, Chitwan, Nepal in 2001.

**Awards:** PhD Scholarship (2013-2016) by Chinese Government Scholarship. MS Grant (2003-2004) by Bangladesh Government. Meritorious Scholarship grants (1996-2001) by Tribhuvan University.

**Expertise:** Veterinary Surgery. Molecular Investigations. Neuroscience.

**Professional Affiliation:** Agriculture and Forestry University, Nepal. Nepal Veterinary Council. Nepal Veterinary Association.

**Correspondence:** **Mailing Address:** Bharatpur-15, Rampur, Chitwan, Nepal. **Phone number/Cell:** 9845053569. **E-mail:** mkshah@afu.edu.np, drmanojnp@gmail.com



**446. Manoj Kumar Shah (M; 1982; Sunsari, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Research Associate (Post-Doctoral), University of Arkansas at Pine Bluff, USA.

**Past Experiences:** Research Assistant, University of Electronic Science and Technology of China. Assistant Engineer, World Link Communication Pvt Ltd.

**Education:** PhD in Optical Engineering from University of Electronic Science and Technology of China in 2018. MSc in Information and Communication Technology from University of Electronic Science and Technology of China in 2014. BSc in Electronics and Communication Engineering from Khulna University, Bangladesh in 2008.

**Awards:** Outstanding Student Award (2018) by Chinese Government Scholarship. Academic Achievement Award (2017) by Dean School, University of Electronic Science and Technology of China. Academic Achievement Award (2016) by Dean School, University of Electronic Science and Technology of China.

**Expertise:** Design and Modeling of Transparent Conducting based Optical Modulators. Characterizations of Materials. Numerical Simulations. Nanotechnology.

**Professional Affiliation:** University of Arkansas at Pine Bluff, USA.

**Correspondence:** **Mailing Address:** 2004 Woodgate Dr, Pineywood Apts, Apt #. 12 C, AR, USA, 71601. **Phone number/Cell:** 1-215-602-6195. **E-mail:** care2manoj@gmail.com



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**447. Manoj Kumar Sinha (M; 1965; Udayapur, Nepal)**

**Category:** Physics.

**Current Affiliation:** Associate Professor, Butwal Multiple Campus, Tribhuvan University.

**Past Experiences:** Associate Professor, Butwal Multiple Campus Tribhuvan University.

**Education:** PhD in Study on Spectral Response of Homo Junction P-I-N Amorphous Silicon Solar Cell from Lalit Narayan Mithila University, Darbhanga, Bihar, India in 2019. MSc in Physics from Lalit Narayan Mithila University, Darbhanga, Bihar, India in 1993. BSc in Physics from Lalit Narayan Mithila University, Darbhanga, Bihar, India in 1986.

**Awards:** Deerga Sewa Padak (Long Service Medal) (2017) by Tribhuvan University.

**Expertise:** Solid State Physics.

**Correspondence:** **Mailing Address:** Butwal-3, Golpark, Nepal. **Phone number/Cell:** 9847036801. **E-mail:** manojksinha24@gmail.com



**448. Manoj Kumar Yadav (M; 1971; Dhanusa, Nepal)**

**Category:** Physics.

**Current Affiliation:** Scientist, National Research, Training and Innovation Centre, Purano Baneshwor, Kathmandu, Nepal.

**Past Experiences:** Senior Scientific Officer, Nepal Academy of Science and Technology. Post-Doc Fellow, Angstrom Laboratory, Uppsala University, Sweden. Post-Doc Fellow, California State University, East Bay, USA.

**Education:** PhD in Material Science (Physics) from Jadavpur University, SN Bose National Centre for Basic Sciences, Kolkata, India in 2012. MSc in Physics from TU, Nepal in 1999. BSc in Physics from TU, Nepal in 1994.

**Awards:** Science Award (2016) by Nepal Academy of Science and Technology. Nepal Vidhya Bhusan 'Ka' (2015) by Ministry of Education, Government of Nepal. Science Teacher Award (1998) by Education Committee, Bhaktapur Education Office.

**Expertise:** Dinitrogen Activation. Thermoelectricity. Electronic Structure of 2D Materials.

**Professional Affiliation:** National Research, Training and Innovation Centre, Purano Baneshwor, Kathmandu. Vedic School, Balkot-2, Suryabinayak, Bhaktapur. St. Xavier's College, Maitighar, Kathmandu.

**Correspondence:** **Mailing Address:** Vedic School, Balkot-2, Suryabinayak, Bhaktapur, Nepal. **Phone number/Cell:** 9844296389. **E-mail:** mkyadav3@yahoo.com



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**449. Manu Singh (M; 1988; Bara, Nepal)**

**Category:** Microbiology.

**Current Affiliation:** Post-Doctoral Fellow, McMaster University, Hamilton, Canada.

**Past Experiences:** Research Scientist, McMaster University.

**Education:** PhD in Microbiology from University of Manitoba, Canada in 2019. MSc in Microbiology from University of Jena, Germany in 2013. BSc in Microbiology from HNB, India in 2010.

**Awards:** UMGF (2015) by University of Manitoba.

**Expertise:** Antibiotic Resistance. Bioinformatics.

**Correspondence:** **Mailing Address:** Hamilton, Canada. **Phone number/Cell:** 2045838816. **E-mail:** manusngh93@gmail.com



**450. Meena Bohara (F; 1990; Ramechhap, Nepal)**

**Category:** Ecology.

**Current Affiliation:** PhD Fellow, Center for Agricultural Resources Research, 286 Huaizhong Road, Shijiazhuang, Hebei, China.

**Past Experiences:** Field Officer, Local Initiatives for Biodiversity, Research and Development. Coordinator, Resources Himalaya Foundation. Environmental Expert (Freelancer), Different Private Organizations.

**Education:** PhD in Nutrient and Isotopic Variation in Through In-Situ Litter Decomposition Land-Uses of Nepal and China from Chinese Academy of Sciences, China in 2019. MSc in Environmental Science from Tribhuvan University, Nepal in 2014. BSc in Environmental Science from Tribhuvan University, Nepal in 2010.

**Awards:** CAS-TWAS Presidential Fellowship for PhD (2015) by Chinese Academy of Sciences and The World Academy of Sciences. Next Generation Conservation Award (Research Grant) (2013) by Resources Himalaya Foundation. Community Service Grant (2013) by Central Department of Environmental Science, TU.

**Expertise:** Litter Decomposition. Nutrient Dynamics. Soil Ecology. Biogeochemical Cycle. Environmental Assessment.

**Professional Affiliation:** Center for Agricultural Resources Research, Chinese Academy of Sciences, Hebei, China. Resources Himalaya Foundation, Lalitpur, Nepal.

**Correspondence:** **Mailing Address:** Madhyapur Thimi-7, Bhaktapur, Nepal. **Phone number/Cell:** +86-13051358590/9849718902. **E-mail:** meena.bohara44@yahoo.com



#### 451. Megh Raj Dhital (M; 1956; Dang, Nepal)

**Category:** Geology.

**Current Affiliation:** Visiting Professor, Tri-Chandra Multiple Campus, Tribhuvan University, Ghantaghar, Kathmandu, Nepal.

**Past Experiences:** Professor, Head of Department, Central Department of Geology, Tribhuvan University, Kirtipur, Kathmandu.

**Education:** DSc in Geology from Hokkaido University, Japan in 1990. MSc in Geology from Peoples' Friendship University, Russian Federation in 1981. BSc in Geology from Peoples' Friendship University, Russian Federation in 1978.

**Awards:** National Science (2018) by NAST. Honorary Fellow (2018) by Nepal Geological Society. Rastriya Shikshya Puraskar (1990) by Tribhuvan University.

**Expertise:** Structural Geology. Engineering Geology. Geological Mapping.

**Professional Affiliation:** Nepal Geological Society, Kathmandu, Nepal. Association of Geologists for International Development, USA. Fulbright Alumni Association, Nepal.

**Correspondence:** **Mailing Address:** Gankhel, Kalanki-14, Kathmandu, Nepal. **Phone number/Cell:** 9861448257. **E-mail:** mrdhital@gmail.com



#### 452. Megh Raj Tiwari (M; 1963; Lamjung, Nepal)

**Category:** Animal Science.

**Current Affiliation:** Principal Scientist/Director, Directorate of Agricultural Research, Province No. 1, Tarahara, Sunsari, NARC Agricultural Research Council, Singdurbar Plaza, Kathmandu.

**Past Experiences:** Principal Scientist, National Animal Science Research Institute, NARC, Khumaltar. Principal Scientist, Animal Nutrition Division, NARC, Khumaltar. Principal Scientist, Mountain Agriculture Research Institute, NARC, Guthichaur, Jumla.

**Education:** PhD in Animal Nutrition from The Peoples' Friendship University of Russia, Russian Federation in 1997. MSc in Animal Science from The Peoples' Friendship University of Russia, Russian Federation in 1995. BSc in Animal Science from The Peoples' Friendship University of Russia, Russian Federation in 1993.

**Awards:** Mahendra Vidhya Bhusan (2001) by Late King Birendra.

**Expertise:** Animal Nutrition. Livestock Products Production and Management.

**Professional Affiliation:** Nepal Agricultural Research Council. Himlayan College of Agricultural Science and Technology.

**Correspondence:** **Mailing Address:** Kathmandu-14, Gangkhel, Kalanki, Nepal. **Phone number/Cell:** 9851223039. **E-mail:** tiwari65@yahoo.com



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**453. Megha Nath Parajulee (M; 1962; Gorkha, Nepal)**

**Category:** Agriculture Research. Higher Education.  
**Current Affiliation:** Regents Fellow Professor, Texas A&M University, Texas 79403, USA.  
**Past Experiences:** Assistant Lecturer (1987-1990), Tribhuvan University. Research Assistant (1990-1994), University of Wisconsin-Madison, USA. Research Scientist (1994-2001), Texas A&M University, USA.  
**Education:** PhD in Agricultural Cropping Systems-Entomology from University of Wisconsin-Madison, United States in 1994. MSc in Biological Systems Modeling from University of Wisconsin, United States in 1991. BSc in Agricultural Economics from YS Parmar University, India in 1987.  
**Awards:** Texas A&M Regents Fellow (2010) by Texas A&M University System Board. Faculty Fellow Award (2008) by Texas A&M AgriLife Research. Vice-Chancellor's Research Award (2015) by Texas A&M University.  
**Expertise:** Cropping Systems and Agricultural Research-Cotton Entomology Program Leader. Biological Systems Modeling, Climate Change and Cliatic Data Based Forecast of Agricultural Systems. Higher Education, Curriculum Development, Long-term Educational Planning.  
**Professional Affiliation:** President International Branch (2010), Entomological Society of America. Member, Entomological Society of America. Vice-President (2016-2020) and President (2020-2022), Association of Nepalese Agricultural Professionals of Americas.  
**Correspondence:** **Mailing Address:** 5522 100th Street, Lubbock Texas 79424, USA. **Phone number/Cell:** 0018066323407. **E-mail:** megha.parajulee@ttu.edu



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**454. Megha Raj Banjara (M; 1976; Khotang, Nepal)**

**Category:** Microbiology.  
**Current Affiliation:** Associate Professor, Central Department of Microbiology, Tribhuvan University, Kirtipur, Kathmandu.  
**Past Experiences:** Associate Professor, Tribhuvan University. Lecturer, Tribhuvan University. Researcher, Public Health and Infectious Disease Research Center.  
**Education:** PhD in Molecular Epidemiology of Drug Resistant *Plasmodium falciparum* in Nepal from Faculty of Tropical Medicine, Mahidol University, Thailand in 2009. MSc in Microbiology from Tribhuvan University, Nepal in 2001. BSc in Microbiology from Tribhuvan University, Nepal in 1998.  
**Awards:** Nepal Vidhya Bhusan 'Ka' (2011) by Nepal Government. Nepal Vidhya Bhusan 'Kha' (2002) by Nepal Government. Nepalese Society for Microbiology Award (2002) by Nepalese Society for Microbiology.  
**Expertise:** Infectious Diseases. Microbiology. Epidemiology.  
**Professional Affiliation:** Nepalese Society for Microbiology. American Society for Microbiology.  
**Correspondence:** **Mailing Address:** Kirtipur, Kathmandu. **Phone number/Cell:** 9841553767. **E-mail:** banjaramr@gmail.com



**455. Meghnath Dhimal (M; 1981; Morang, Nepal)**



- Category:** Environmental Health Sciences.
- Current Affiliation:** Chief Research Officer, Nepal Health Research Council, Government of Nepal, Kathmandu, Nepal.
- Past Experiences:** Environmental Health Research Officer, Nepal Health Research Council, Government of Nepal. Climate Change and Health Expert, World Health Organization (WHO). Chief/Senior Research Officer, Nepal Health Research Council, Government of Nepal.
- Education:** PhD in Environmental Health Sciences, Effects of Climatic and Non-Climatic Factors on the Spatio-Temporal Distribution of Vector-Borne Diseases in Nepal from Goethe University, Frankfurt am Main, Germany in 2015. MSc in Environmental Sciences from Tribhuvan University, Nepal in 2004. BSc from Tribhuvan University, Nepal in 2002.
- Awards:** Young Scientist Award (2015) by NAST. Outstanding Young Health Researcher Award (2018) by Nepal Health Research Council and Mirgendra Samjhana Medical Trust. DAAD PhD Fellowship Award (2011) by DAAD, Germany.
- Expertise:** Global Health. Environmental Health. Climate Change and Health. Health Research Methodology. Policy Formulation and Analysis. Formulation of Plans. Teaching and Grant Writing. Science Diplomacy.
- Professional Affiliation:** Life Member, NEGAS. Member, Global Young Academy. Associate Academician, NAST.
- Correspondence:** **Mailing Address:** Nagarjun-1, Kathmandu, Nepal. **Phone number/Cell:** 9851167198. **E-mail:** meghdhimal2@gmail.com

**456. Min Prasad Khanal (M; 1982; Rupandehi, Nepal)**



- Category:** Physics-Condensed Matter.
- Current Affiliation:** Engineer-Research and Development Oriented, Micron Technology Inc, Utah.
- Past Experiences:** Graduate Research Assistant, Auburn University, USA. Graduate Teaching Assistant, Auburn University, USA. Lecturer, St. Xavier's College, Maitighar. Lecturer, United Academy, Kathmandu Nepal. Lecturer, Patan Multiple Campus, Kathmandu, Nepal.
- Education:** PhD in Radiation Hardness Study of AlGaIn, GaN High Electron Mobility Transistors (HEMTs) from Auburn University, United States in 2019. MSc in Condensed Matter Physics, Cosmology from Auburn University, Tribhuvan University, United States in 2015/2010. BSc in Physics from Tribhuvan University, Nepal in 2005.
- Awards:** Best Poster Award (2018) by American Vacuum Society-AVS 65th International Symposium and Exhibition. NSF Funded Award-PARADIM School (2018) by PARADIM-Cornell University. Division of Condensed Matter Physics Travel Grant (2018) by American Physical Society.
- Expertise:** Wide Band Gap Semiconductors. Applicable for Power Electronics and Optoelectronics. Cutting Edge Non-Volatile Memory. Research-Electronic Device Fabrication and Characterization (Optical and Electronic). Teaching.
- Professional Affiliation:** American Physical Society, NW, Washington, DC, USA. Nepal Physical Society, Tri-Chandra College, Nepal. American Vacuum Society, NY, USA.
- Correspondence:** **Mailing Address:** 69 E Mahogany Hill Way. **Phone number/Cell:** +13345245887. **E-mail:** mpk0006@auburn.edu

#### 457. Mina Nath Paudel (M; 1958; Lamjung, Nepal)

**Category:** Agriculture.

**Current Affiliation:** Free Lancer, Nagarjun-9, Kathmandu, Nepal.

**Past Experiences:** Director for Planning and Coordination and Director for Administration, Nepal Agricultural Research Council (NARC), Singha Durbar Plaza, Kathmandu. Principal Scientist, Chief, Genebank Aka National Agriculture Genetic Resource Center (NAGRC), NARC. Senior Scientist, Chief, Outreach Research Division (ORD), NARC.

**Education:** PhD in Agronomy-Mixed Variety Cultivation as Productivity Enhancing and Cost Reducing Strategies for Maize (*Zea mays* L.) Production I from UPLB, Philippines in 2005. MSc in Nutrient Management for Suphan Buri-90 Rice Variety with Green Leaf Manure in Acid Sulphate Soil from AIT, Thailand, Thailand in 1995. BSc (Hons) Ag from HAU, Hissar, India in 1983.

**Awards:** Mahendra Vidhya Bhusan (2006) by MoE, Nepal. Deergha Sewa Padak (Long Service Medal) (2013) by NARC, Nepal.

**Expertise:** Agronomy. Crop Production and Management. Agriculture Planning and Management. Climate Change and Resilience.

**Professional Affiliation:** Nepal Agricultural Research Council. Ministry of Agriculture Development, Nepal. Short Consultancy at FAO-Nepal and CIMMYT Nepal.

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#### 458. Mira Tripathi (F; 1974; Gorkha, Nepal)

**Category:** Environmental Management.

**Current Affiliation:** Waste & Water Technical Support Officer, Waimate District Council, New Zealand.

**Past Experiences:** Solid Waste Officer, Timaru District Council. Solid Waste Officer, Ashburton District Council. Solid Waste Officer, Selwyn District Council.

**Education:** PhD in Comparative Evaluation of Stone Spout Management System in Heritage and Non Heritage Areas of Kathmandu Valley Nepal from Lincoln University, New Zealand in 2016. MSc in Resources Engineering from KIT, Germany, Germany in 2010. BSc in Environmental Management from SchEMS, Nepal in 2005.

**Awards:** Study Grant (2005) by CARE, Nepal. DAAD Scholarship (2008) by DAAD, Germany. Lincoln Doctoral Scholarship (2013) by Lincoln University.

**Expertise:** Water Resources Management. Environmental Management. Waste Management.

**Correspondence:** **Mailing Address:** 30 Victoria Street, Timaru, New Zealand. **Phone number/Cell:** 02108435874. **E-mail:** mira.tripathi@waimatedc.govt.nz



**459. Mitra Lal Pathak (M; 1981; Nawalparasi, Nepal)**

**Category:** Botany.

**Current Affiliation:** Scientific Officer, Department of Plant Resources, Devchuli-7, Sitabas, Nawalpur (Nawalparasi).

**Past Experiences:** Scientific Officer, National Herbarium and Plant Laboratories. Lecturer, MMIST College, Jawalakhel.

**Education:** PhD in Botany, Taxonomy (Molecular Biology) from Chinese Academy of Sciences, China in 2016-2019. MSc in Botany from Tribhuvan University, Nepal in 2006-2008. BSc in Biology from TU, Nepal in 2001-2004.

**Correspondence:** **Mailing Address:** National Botanical Garden, Godawari-3, Lalitpur. **Phone number/Cell:** 9841482252. **E-mail:** scientistdrrmitra@gmail.com



**460. Mohan Babu Gurung (M; 1970; Gorkha, Nepal)**

**Category:** Forestry. Natural Resource Management. Forest Carbon Science.

**Current Affiliation:** Resource Analyst, PF Olsen Australia.

**Past Experiences:** Consultant, FCPF. Consultant, WWF. Senior Research Officer, Winrock International.

**Education:** PhD in Forestry-Essays on Reducing Emissions from Deforestation and Forest Degradation in the Terai Arc Landscape of Nepal from Lincoln University, New Zealand in 2014. MSc in Tropical Forest Management from Technische Universitat Dresden, Germany in 2007. BSc in Forestry from University of Peshawar, Pakistan in 2003.

**Awards:** Nepal Vidhya Bhusan (2008) by Ministry of Education, Nepal. DAAD Award (2007) by German Academic Exchange Program, Germany. Best Practical Forester (2003) by Pakistan Forest Institute, Pakistan.

**Expertise:** Forest Carbon Accounting and Emissions Economics. Stand Growth & Yield Modelling. Forest Valuation & Project Management.

**Professional Affiliation:** Institute of Foresters of Australia (IFA), Melbourne, Australia. New Zealand Institute of Forestry (NZIF), Wellington, New Zealand. Nepal Foresters' Association (NFA), Babar Mahal, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Suite 6.50 Upper Heidelberg Rd. Ivanhoe. VIC 3079. Australia. **Phone number/Cell:** +61428 358 403. **E-mail:** mohanbgurung@yahoo.com.



**461. Mohan Prasad Sharma (M; 1957; Dang, Nepal)**

**Category:** Livestock. Animal Science.

**Current Affiliation:** Professor, Agriculture and Forestry University, Rampur, Chitwan, Nepal.

**Past Experiences:** Director, Continuing Education Center, AFU, Rampur Chitwan Nepal. Chairman, Animal Science Subject Matter Committee, FAVF, AFU, Rampur, Chitwan, Nepal. Department Head, Department of Animal Breeding and Biotechnology, FAVF, AFU, Rampur, Chitwan, Nepal.

**Education:** PhD in Animal Science (Animal Breeding) from IAAS, Tribhuvan University, Nepal in 2008. MSc in Animal Science (Animal Breeding) from Central Luzon State University, Munoz, Philippines in 1991. BSc in Agriculture from IAAS, Tribhuvan University, Nepal in 1981.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2008) by Rastrapati Dr. Ram Baran Yadav, Government of Nepal. Deergha Sewa Padak (Long Service Medal) (2005) by VC/TU Dr. Madhav Prasad Sharma.

**Expertise:** Livestock Breeding and Biotechnology. Livestock-Impact of Climate Change on Livestock. Livestock Management and Dairy Science.

**Professional Affiliation:** Department of Animal Breeding and Biotechnology, FAVF, AFU, Rampur, Chitwan, Nepal. Department of Animal Science, Himalayan College of Agriculture Science and Technology (HICAST), Kathmandu, Nepal. Member, Animal Science Subject Matter Committee, Sudur Paschim Biswavidyalaya (FWU), Nepal.

**Correspondence:** **Mailing Address:** Department of Animal Breeding and Biotechnology, FAVF, AFU, Rampur, Chitwan, Nepal. **Phone number/Cell:** 9855053795. **E-mail:** mohan.shr@gmail.com, mpsharma@afu.edu.np



**462. Mohan Siwakoti (M; 1955; Kathmandu, Nepal)**

**Category:** Botany.

**Past Experiences:** Head, Central Department of Botany, Kirtipur. Professor, Central Department of Botany, Kirtipur. Consultant, IUCN Nepal.

**Education:** PhD in Flora of Plains of Eastern Nepal (Biratnagar-Dharan) from TM Bhagalpur University, India in 1995. MSc in Botany from Tribhuvan University, Nepal in 1982. BSc in Botany from Tribhuvan University, Nepal in 1978.

**Awards:** Dr. Harka Gurung Rama Krishna Smiriti Yuba Bigyan Prabidhi Puruskar 2078 (2011) by Rama Krishna Srijana Pratisthan. Banitashree Anusilan Abhinandhan 2075 (2019) by Banita Trimashik.

**Expertise:** Plant Systematics. Ethnobotany. Wetlands.

**Professional Affiliation:** Botanical Society of Nepal, Kathmandu.

**Correspondence:** **Mailing Address:** Budhanilkantha-10, Kapan (Bibek Tole), Kathmandu, Nepal. **Phone number/Cell:** 014810021/9849245299. **E-mail:** mohansiwakoti@live.com



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**463. Moj Raj Bagale (M; 1975; Gorkha, Nepal)**

**Category:** Hydro-Dam and Seismic Failure Analysis of Structure.  
**Current Affiliation:** Post-Doctorate Researcher, Atlantic International University, Honolulu, Hawaii.  
**Past Experiences:** Visiting Faculty, Kathmandu University. Adjunct Professor, Tri-Chandra Multiple Campus. Visiting Faculty, Pulchowk Engineering Campus.  
**Education:** PhD in The Numerical Simulation Research of The Concrete Gravity Dam Damage and Failure Rule Under the Action of Fluid-Solid Coupling from Liaoning Technical University, China in 2013. MSc in Mathematical Science from Tribhuvan University, Nepal in 2002. BSc in Physical Science from Tribhuvan University, Nepal in 1997.  
**Awards:** Nepal Vidhya Bhusan 'Ka' (2014) by President of Nepal. Youth Leadership (2012) by Chinese Academy of Sciences.  
**Expertise:** Mathematical Modeling. Seismic Stress Analysis on Structure. Hydro-Dam Failulure Analysis and Solution.  
**Professional Affiliation:** Master Thesis Guide, Delta University, USA. Managing Director, Global PhD Center, Kathmandu, Nepal. Cheeky Scientist Association USA for day to day Activities.  
**Correspondence:** **Mailing Address:** PO Box 2416, Kathmandu, Nepal. **Phone number/Cell:** 015113187/9851244979. **E-mail:** phd001nepal@gmail.com, mrbagale@gmail.com



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**464. Motee Lal Sharma Bhusal (M; 1964; Arghakhanchi, Nepal)**

**Category:** Chemistry.  
**Current Affiliation:** Professor, Tribhuvan University, Kathmandu, Central Department of Chemistry, Kirtipur, Kathmandu.  
**Past Experiences:** Professor, Tribhuvan University, Kathmandu. Reader, Tri-Chandra Multiple Campus, Tribhuvan University, Kathmandu, Nepal. Lecturer, Siddhanath Science Campus, Tribhuvan University, Mahendranagar.  
**Education:** PhD in Chemistry from DDU Gorakhpur University, UP, India, in 2012. MSc in Chemistry from Gorakhpur University, India in 1989. BSc in Chemistry from Gorakhpur University, India in 1986.  
**Awards:** Nepal Vidhya Bhusan 'Ka' (2014) by Government of Nepal.  
**Expertise:** Coordination Chemistry. Organometallic Chemistry.  
**Professional Affiliation:** Central Department of Chemistry, Tribhuvan University, Kathmandu, Nepal.  
**Correspondence:** **Mailing Address:** GPO Box 9227, Kathmandu, Nepal. **Phone number/Cell:** 9841120175. **E-mail:** mlsharma.chem@gmail.com



**465. Mridu Acharya (F; 1980; Kathmandu, Nepal)**

**Category:** Immunology.

**Current Affiliation:** Principal Investigator, Seattle Children's Research Institute, Seattle, 98101, USA.

**Past Experiences:** Research Assistant Member, Benaroya Research Institute, Seattle, USA. Staff Scientist, Benaroya Research Institute, Seattle, USA. Post-Doctoral Fellow, Massachusetts General Hospital and Harvard Medical School.

**Education:** PhD in Immunology/Biochemistry-Expression and function of the  $\alpha_v\beta_3$  integrin during human B lymphopoiesis from University of Glasgow, United Kingdom in 2008. BSc in Biomedical Science from University of Hull, United Kingdom in 2003.

**Awards:** Novel Research Grant Award (2017) by Lupus Research Alliance. Early Career Faculty Travel Award (2017) by American Association of Immunologists (AAI). Young Investigator Travel Award (2014) by Biolegend, Midwinter Conference of Immunology.

**Expertise:** Immunology. Vaccines and Antibody Response. Autoimmune Disease.

**Professional Affiliation:** Principal Investigator, Seattle Children's Research Institute, Seattle. Affiliate Investigator, Benaroya Research Institute, Seattle.

**Correspondence:** **Mailing Address:** 133 Queen Anne Avenue North, Unit 304, Seattle, WA, 98109. **Phone number/Cell:** 6178528434. **E-mail:** mriduacharya15@gmail.com



**466. Mukesh Kumar Chalise (M; 1957; Lalitpur, Nepal)**

**Category:** Zoology. Ecology.

**Current Affiliation:** President, Nepal Biodiversity Research Society, GPO Box 23513, Kathmandu Nepal.

**Past Experiences:** Associate Professor, Biological Sciences, Kathmandu University. Professor, Zoology, Tribhuvan University, Kirtipur. Fulbright Scholar, University of Washington, Seattle, USA.

**Education:** PhD in Zoology-Behavior, Comparative Study of Feeding Ecology and Behavior of Male and Female Langurs (*Presbytes entellus*) from IOST, TU, Nepal in 1995. MSc in Zoology, Ecology from CDZ, TU, Nepal in 1986. BSc in Zoology from Tri-Chandra College, TU, Nepal in 1976.

**Awards:** International Conservation Award (1996) by IPS, USA. Martha J. Galante Fellow (1998) by IPS, USA. NAST, Nabil Science Award, National Wildlife Conservation Award (2018/2019) by NAST, MoFE, Government of Nepal.

**Expertise:** Rare, Endangered and Protected Wildlife Exploration in Nepal. Ecology and Behavior of Wild Animals. SEA/EIA/IEE of Developmental Projects.

**Professional Affiliation:** Distinguished Expert, Institute of Eastern Himalayas Biodiversity Research, Dali University, China. Distinguished Visiting Professor, Kyoto University, Inuyama, Japan. Visiting Scientist, National Primate Research Centre and University of Washington, USA.

**Correspondence:** **Mailing Address:** GPO Box 23513, Kathmandu, Nepal. **Phone number/Cell:** 9841938986. **E-mail:** mukesh57@hotmail.com



**467. Mukunda Prakash Kshetree (M; 1967; Arghakhanchi, Nepal)**

- Category:** Mathematics Education.
- Current Affiliation:** Associate Professor, Tribhuvan University, Kathmandu.
- Past Experiences:** Researcher, Research Center for Educational Innovation and Development (CERID). Assistant Campus Chief, Modern Nepal College, Kathmandu. Coordinator, SOS Children's Village, Sanothimi.
- Education:** PhD in Students' Algebraic Misconceptions and Errors: Exploration and Their Treatment Through Cooperative Learning Approach from Tribhuvan University, Nepal in 2016. MSc in Mathematics from Tribhuvan University, Nepal in 1996. BSc in Physics, Maths & Statistics from Tribhuvan University, Nepal in 1994.
- Awards:** Gold Medal (2018) by President of Nepal. National Education Award (2014) by Education Minister. Global Leader/Education (2012) by World Forum Foundation, USA.
- Expertise:** Researches (National and International Level). Proposal/Grant/Report Writings. Program Management.
- Professional Affiliation:** Member of Academic Council, Tribhuvan University. Member of Research Cell, MRC, TU. Vice-President, Council for Mathematics Education.
- Correspondence:** **Mailing Address:** Kuleshwor, Link Road, HN-55, Kathmandu. **Phone number/Cell:** 9851099530. **E-mail:** mukun\_da@hotmail.com



**468. Muna Sharma (F; 1973; Kathmandu, Nepal)**

**Category:** Nursing. Medical Ethics. Surgical Ethics.

**Current Affiliation:** Associate Professor, IOM, Maharajgunj Nursing Campus, Tribhuvan University, Kathmandu, Nepal.

**Past Experiences:** Lecturer, TUIOM, MNC. Staff Nurse, Bir Hospital, Nepal Government. IECD Officer, AIDSCAP/ GWP.

**Education:** PhD in Ethical Challenges in Clinical Nursing Practice as Experienced by Nurses of Government Hospitals in Kathmandu, Nepal from Maharajgunj Nursing Campus, TUIOM, Nepal in 2017. Masters in Nursing (Adult Health) in Adult Health. Effects of Educational Intervention on Knowledge Regarding HIV/AIDS among Community People of Bhaktapur from Maharajgunj Nursing Campus, TUIOM, Nepal in 2007. Bachelor in Nursing (BN) in Hospital Nursing-Comparative Study on Knowledge on Universal Precaution among Nurses of Teaching Hospital and Bir Hospital from Maharajgunj Nursing Campus, TUIOM, Nepal in 2000.

**Awards:** TOT of Qualitative Research (2015) by NHRC. Presenter on 5th International Science Congress (ISC-2015) on 8th and 9th December 2015 (2015) by ICA-TU Congress. Presenter on Third International Conference on Medical, Medicine and Health Sciences at Pearl International Hotel Kula Lumpur (2015) by Academic Fora.

**Expertise:** Medical Surgical Nursing (Hospital Nursing). Academic. Research Work.

**Professional Affiliation:** Member, Nepal Nursing Council, Bansbari, Kathmandu. Member, Nepal Nursing Association, Lazimpat, Kathmandu. Member, Critical Care Nursing Association, Kathmandu.

**Correspondence:** **Mailing Address:** Budhanilkantha-9, Kathmandu, Nepal. **Phone number/Cell:** 9860916399. **E-mail:** munasharma123@gmail.com



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**469. Nabin Bhusal (M; 1987; Arghakhanchi, Nepal)**

**Category:** Agriculture. Genetics and Plant Breeding.

**Current Affiliation:** Assistant Professor, Agriculture and Forestry University, Rampur, Chitwan, Nepal.

**Past Experiences:** Senior Research Fellow, ICAR-Indian Institute of Wheat and Barley Research, Karnal, India.

**Education:** PhD in Genetic and molecular marker analysis for heat tolerance in wheat (*Triticum aestivum* L. em. Thell) from College of Agriculture Hisar, Chaudhary Charan Singh Haryana Agricultural University, Hisar, India and ICAR-Indian Institute of Wheat and Barley Research, Karnal-132001, Haryana, India in 2016. MSc in Characterization of elite forage sorghum [*Sorghum bicolor* (L.) Moench] genotypes from College of Agriculture, Hisar, Chaudhary Charan Singh Haryana Agricultural University, Hisar, India in 2012. BSc from College of Agriculture Kaul, Chaudhary Charan Singh Haryana Agricultural University, Hisar, India in 2010.

**Expertise:** Plant Breeding (Phenotyping). Genetics (QTL Mapping and Marker Assisted Selection). Biotechnology (Plant Tissue Culture).

**Professional Affiliation:** Agriculture and Forestry University, Rampur, Chitwan, Nepal. Chaudhary Charan Singh Haryana Agricultural University, Hisar, India.

**Correspondence:** **Mailing Address:** House No. D2-61, Faculty of Agriculture, Agriculture and Forestry University, Rampur, Chitwan, Nepal. **Phone number/Cell:** 9861936092. **E-mail:** nbhusal@afu.edu.np



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**470. Nabin Aryal (M; 2019; Gulmi, Nepal)**

**Category:** Environmental Engineering.

**Current Affiliation:** Researcher, Aarhus University, Denmark.

**Past Experiences:** PhD Fellow, University of Denmark Research Associate, VITO, Belgium. Technical Executive, International Certification Service Pvt Ltd, Mumbai, India.

**Education:** PhD in Biochemical Production from Carbon dioxide from Technical University of Denmark, Denmark in 2017. MSc in Environmental Technology and Engineering from Ghent University Belgium in 2013. BSc in Environmental Science from Tribhuvan University, Nepal in 2005.

**Awards:** Erasmus Mundus Fellowship (2011) by European Union. PhD Fellow Travel Grant (2015) by Otto Mønstedts Fond, Denmark. Short Course Fellowship (2008) by Indian Embassy.

**Expertise:** Waste Management. Biogas. Biotechnology.

**Professional Affiliation:** International Water Association, Delft, Netherlands. Prakriti Consult, Baneshwor, Kathmandu, Nepal. Green Works Nepal, Lalitpur, Nepal.

**Correspondence:** **Mailing Address:** Banasthai, Kathmandu, Nepal. **Phone number/Cell:** +4524844388. **E-mail:** aryalnabin@gmail.com



**471. Nabin Kumar Malakar (M; 1980; Makwanpur, Nepal)**

**Category:** Physics.

**Current Affiliation:** Assistant Professor, Worcester State University, Worcester, MA, USA.

**Past Experiences:** Post-Doctoral Research Scientist, NASA Jet Propulsion Laboratory, CA. Post-Doctoral Associate, The City College of New York, NY. Research Associate, University of Texas at Dallas, TX.

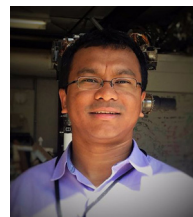
**Education:** PhD in Computational Physics from University at Albany, SUNY, United States in 2011. MSc in Gravity/Black Hole from Tribhuvan University, Nepal in 2003. BSc in PCM from Tribhuvan University, Nepal in 2001.

**Awards:** Aisiku STEM Grant (2018) by Worcester State University. NASA Grant (Co-I) (2016) by NASA.

**Expertise:** Satellite Remote Sensing. Thermal Infrared. Temperature. Atmosphere.

**Correspondence:** **Mailing Address:** 486 Chandler ST. **E-mail:** nabinkm@gmail.com

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**472. Nabin Rayamajhi (M; 1974; Kathmandu, Nepal)**

**Category:** Microbiology. Infectious Diseases.

**Current Affiliation:** Visiting Professor, HICAST, Kalanki, Kathmandu.

**Past Experiences:** Associate Professor, University of Nottingham Malaysia Campus, Malaysia. Assistant Professor, Patan Academy of Health Sciences, Lalitpur, Nepal. CDC/APHL-International Emerging Infectious Diseases (IEID) Post-Doctoral Fellowship, Centers for Disease Control and Prevention, Atlanta, USA.

**Education:** PhD in Microbiology and Infectious Diseases from Seoul National University, Republic of Korea in 2010. MSc in Microbiology and Infectious Diseases from Seoul National University, Republic of Korea in 2005. BSc in Veterinary Medicine from IAAS, Nepal in 2001.

**Awards:** The World Academy of Sciences (TWAS) awards (2013) by Nepal Academy of Science and Technology (NAST) .

**Correspondence:** **Mailing Address:** 103 Bhagwan Marg, Naxal, Nepal. **Phone number/Cell:** 9847914103. **E-mail:** nabin.rayamajhi@gmail.com

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**473. Namraj Dhami (M; 1976; Darchula, Nepal)**

**Category:** Plant Science.

**Current Affiliation:** Assistant Professor, Pokhara University, Pokhara, Kaski.

**Education:** PhD in Biochemistry and Cell Biology-Regulation of Carotenoid Metabolism in Plants from Western Sydney University, Australia in 2019. MSc in Plant Biotechnology from Wageningen University, Netherlands in 2012. BSc in Biology from Tribhuvan University, Nepal in 2001.

**Expertise:** Carotenoid Biology. Plant Secondary Metabolism. Medicinal Plants.

**Correspondence:** **Mailing Address:** Pokhara University, Pokhara-30, Kaski, Nepal. **Phone number/Cell:** 9840250987. **E-mail:** namraj.dhami@gmail.com



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**474. Namrata Karki (F; 1986; Morang, Nepal)**

**Category:** Food Science.

**Current Affiliation:** Senior Research Scientist, Ortho Molecular Products Inc, 3017 Business Park Drive, Stevens Point WI 54482, USA.

**Past Experiences:** Formulation Engineer, Provident Nutraceutical a Division of Ortho Molecular Products. Post-Doctoral Researcher, Louisiana State University Agcenter. Graduate Research Assistant, Louisiana State University.

**Education:** PhD in Food Science-*In Vitro* Investigation on Therapeutic Potential of Juglone, A Naphthoquinone from Walnuts Against Pancreatic Cancer Cells from Louisiana State University, United States in 2016. MSc in Food Science-Inhibitory Activity of Ginger Oil Against Breast Cancer Cells from Louisiana State University, United States in 2011. BSc in Biotechnology-Optimization and Comparative Study of Potato-Starch Hydrolysis using Acid, Base and Enzyme from Kathmandu University, Nepal in 2008.

**Awards:** Nepal Vidhya Bhusan (2016) by The Honorable President of Nepal. LSU Graduate School Dissertation Year Fellowship (2015) by Louisiana State University. IFT Biotechnology Division Research Paper Competition (2015) by Institute of Food Technologists.

**Expertise:** Food Scientist. Nutraceuticals for Health and Wellness. Biotechnology.

**Professional Affiliation:** Institute of Food Technologists, Chicago, IL 60607. The Rotary Club of Stevens Point.

**Correspondence:** **Mailing Address:** 2916 Parkway Drive, Stevens Point WI 54481, USA. **Phone number/Cell:** 2252709102. **E-mail:** namrata.karki22@gmail.com



**475. Nandu Silwal Poudyal (F; 1974; Kathmandu, Nepal)**

**Category:** Medicine.

**Current Affiliation:** Senior Consultant Physician, Gastroenterologist, National Academy of Medical Sciences, Bir Hospital, Mahaboudha, Kathmandu, Nepal.

**Past Experiences:** Consultant Physician, Bir Hospital. Medical Officer, Rasuwa, Nepal. Medical Officer, Chhetrapati Family Planning Clinic.

**Education:** DM in Precipitating Factors and Treatment Outcome of Hepatic Encephalopathy in Liver Cirrhosis. Colorectal Cancer in Different Age Groups in a Tertiary Hospital in Nepal from National Academy of Medical Sciences, Bir Hospital, Nepal in 2018. MD (Internal Medicine) in Frequency of Microalbuminuria in Hypertensive Patients with Left Ventricular Hypertrophy from National Academy of Medical Sciences, Bir Hospital, Nepal in 2010. MBBS from Fatima Jinnah Medical college, Pakistan in 1999.

**Awards:** Certificate of Excellence for Outstanding Performance and Lasting Contribution on Public Health Management (2005) by Government of Nepal.

**Expertise:** Interventional Endoscopy.

**Professional Affiliation:** Nepal Medical Association, Kathmandu. Society of Internal Medicine of Nepal, Kathmandu. Nepalese Society of Gastroenterologist, Kathmandu.

**Correspondence:** **Mailing Address:** House no 41, Roadshow Housing, Budanilkantha, Kathmandu, Nepal. **Phone number/Cell:** 9851197723. **E-mail:** nandupoudyal@gmail.com



**476. Narahari Prasad Ghimire (M; 1966; Chitwan, Nepal)**

**Category:** Entomology.

**Current Affiliation:** Deputy Director General, Department of Agriculture, Harihar Bhawan, Lalitpur.

**Past Experiences:** Chief, Center for Industrial Entomology Development, Hariharbhawan, Lalitpur. Project Director, Prime Minister Agriculture Modernization Project, Khumaltar, Lalitpur. Regional Director of Agriculture, Regional Directorate of Agriculture, Dipayal, Doti.

**Education:** PhD in Natural Food Adaptability of *Bombyx mori* L. To Native and Exotic Morus Genotypes of Nepal from Tribhuvan University, Institute of Agriculture and Animal Science, Rampur, Chitwan, Nepal in 2012. MSc in Evaluation of Selected Mulberry Varieties and Bivoltine Silkworms (*Bombyx mori* L.) under Mid Hill Conditions from Institute of Agriculture and Animal Science, Tribhuvan University, Rampur, Chitwan, Nepal in 2002. BSc in Study of Vegetable Insect Pests in Chitwan Valley from Institute of Agriculture and Animal Science, Tribhuvan University, Rampur, Chitwan, Nepal in 1990.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2013) by Ministry of Education, Nepal. Mahendra Vidhya Bhusan 'Kha' (2003) by Former His Majesty's King Gyanendra.

**Expertise:** Integrated Pest Management. Insect Ecology. Sericulture Technology.

**Professional Affiliation:** Life Member, Plant Protection Society of Nepal (PPS). General Member, Entomological Society of America (ESA). Associate Member, Association of Nepalese Agricultural Professionals of Americas (NAPA).

**Correspondence:** **Mailing Address:** Bharatpur-8, Chitwan, Nepal. **Phone number/Cell:** 9851153689. **E-mail:** drnaraharighimire@gmail.com



**477. Narayan Bahadur Basnet (M; 1960; Kathmandu, Nepal)**

**Category:** Medical Science.

**Current Affiliation:** Director/Consultant, Children's Medical Diagnosis Center (CMDIC), Chabahil, Kathmandu-7.

**Past Experiences:** Consultant Pediatrician, Pediatric Cardiologist, Durga Bhawani Polyclinic, Dhumbarahi, Kathmandu-4. Medical Escort, International Organization for Migration (IOM), Kathmandu. Volunteer Medical Officer, Kanti Children's Hospital, Kathmandu.

**Education:** PhD (JSPS Post-Doctoral Fellow) in Pediatric Cardiology and Pediatrics from The University of Tokyo, Japan in 2000/2003. Postgraduate in Pediatrics from The University of Tokyo, Japan in 1996. MBBS from Institute of Medicine, Tribhuvan University, Nepal in 1991.

**Awards:** Research Award for Foreign Students at The University of Tokyo Graduate School of Medicine (1999) by Graduate School of Medicine, The University of Tokyo, Japan. Research Award for Foreign Students at The University of Tokyo Graduate School of Medicine (2001) by Graduate School of Medicine, The University of Tokyo, Japan. "Who is Who in the World"; "Who is Who in Medicine and Healthcare" (2002-2003) by Marquis Who is Who Publication, USA.

**Expertise:** Pediatric Cardiology. General Pediatrics. General and Public Health.

**Professional Affiliation:** Life Member, Nepal Medical Association (NMA), Nepal. Nepal Pediatric Society (NEPAS), The Association of Medical Doctors of Asia (AMDA), Nepal. Life Member, Cardiological Society of India (CSI), India. Pediatric Cardiac Society of India (PCSI), India. Life Member, Nepal JSPS Alumni Association (NJAA), Japanese Universities Alumni Association, Nepal (JUAAN), Nepal.

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**478. Narayan Gyawali (M; 1985; Rupandehi, Nepal)**

**Category:** Virology. Entomology. Immunology. Microbiology. Laboratory Medicine.

**Current Affiliation:** Post-Doctoral Research Scientist, QIMR Berghofer Medical Research Institute, Qld 4006, Australia.

**Past Experiences:** Research Assistant, Queensland University of Technology. Lecturer, Nepal Medical College. Snr Laboratory Technologist, Helping Hand Community Hospital.

**Education:** PhD in Virology, Transmission Cycles of Arboviruses from Central Queensland University, Australia in 2018. MSc in Medical Microbiology-House-hold Contact Pulmonary Tuberculosis from BP Koirala Institute of Health Science, Nepal in 2011. BSc in Medical Laboratory Technology, Intestinal Parasitosis in School Going Children from BP Koirala Institute of Health Science, Nepal in 2008.

**Awards:** Australian Postgraduate Award (2014) by Australian Government. International Postgraduate Research Award (2014) by Central Queensland University. Industry Collaboration Award (2018) by Queensland University of Technology.

**Expertise:** Virology. Entomology. Mosquito Ecology. Immunology.

**Professional Affiliation:** Center for Medical Dynamic Nepal, Kathmandu.

**Correspondence:** **Mailing Address:** Mosquito Control Laboratory, 300 Herston Rd, Herston 4006, QLD, Australia. **Phone number/Cell:** 61403172940. **E-mail:** gyawali123@gmail.com



**479. Narayan Prasad Chapagain (M; 1964; Syangja, Nepal)**

**Category:** Physics.

**Current Affiliation:** Professor, Tribhuvan University, Amrit Campus, Thamel, Kathmandu.

**Past Experiences:** Post-Doctoral Research Associate, NASA Living With a Star Program, USA. Research Assistant, Utah State University, USA. Associate Professor, Patan Multiple Campus, TU.



**Education:** PhD in Dynamics of Equatorial Spread F Using Optical and Radar Observations from Utah State University, UT, United States in 2011. MSc in Plasma Physics from Tribhuvan University, Nepal in 1991. MTech in Space and Atmospheric Physics from Andhra University, India in 2003.

**Awards:** NASA Living with a Star Physics (2011) by NASA, USA. Nepal Vidhya Bhusan 'Ka' (2014) by President of Nepal. Graduate Student Senate Enhancement Award (2009) by Utah State University, USA.

**Expertise:** Computational Skill. Fortran. Matlab. Origin and IDL Programming. Space and Ionospheric Physics. Optical and Radio Remote Sensing Techniques from Both Ground and Satellite-Based Platforms.

**Professional Affiliation:** President, Nepal Physical Society. Coordinator, MSc Program, Patan Multiple Campus, Tribhuvan University. Head of Department of Physics, Patan Multiple Campus, Tribhuvan University. Nepal Coordinator Space Weather Initiative, UN Viena, Austria. Adviser, Space Science Technical Committee, MOEST, Nepal.

**Correspondence:** **Mailing Address:** Shubhakamana Tole, Dhungedhara, Kathmandu-16, Nepal. **Phone number/Cell:** 9851046775. **E-mail:** npchapagain@gmail.com

**480. Narayan Prasad Gaire (M; 1982; Arghakhanchi, Nepal)**

**Category:** Environment Science Ecology and Climate Change.

**Current Affiliation:** Post-Doc Fellow, Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences, Tree Ring and Environmental Change Group, Key Lab of Tropical Forest Ecology Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences Mengla, Mengla, Yunnan 666303, PR China.



**Past Experiences:** PhD Fellow, Research Fellow, Research Assistant, Nepal Academy of Science and Technology (NAST), Khumaltar, Lalitpur, Nepal. Lecturer, Department of Environmental Science, Golden Gate International College, Kathmandu, Nepal. Consultant, Siddhartha Environmental Service, Kathmandu.

**Education:** PhD in Environmental Science-Climatic Trend and Treeline Dynamics in Nepal Himalaya from Tribhuvan University, Nepal in 2016. MSc in Environmental Science-Ecology and Dendroclimatology of Treeline Forest of Langtang National Park, Nepal Himalaya from Tribhuvan University, Central Development of Environment Science, Nepal in 2006. BSc in Environmental Science from Tri-Chandra College, Tribhuvan University, Nepal in 2003.

**Awards:** PIFI Fellowship (2019) by Chinese Academy of Sciences. National Youth Scientist Award (2018) by NAST. Nepal Vidhya Bhusan (2018) by Government of Nepal.

**Expertise:** Ecology. Climate Change. Dendrochronology.

**Professional Affiliation:** Nepal Environment Society. Tree Ring Society of Nepal, Lalitpur, Nepal. Asian Dendrochronological Association.

**Correspondence:** **Mailing Address:** Tree Ring and Environmental Change Group, Key Lab of Tropical Forest Ecology Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences Mengla, Mengla, Yunnan 666303, PR China. **Phone number/Cell:** 9841381048. **E-mail:** npgaire2007@gmail.com

**481. Narayan Prasad Koju (M; 1979; Bhaktapur, Nepal)**

**Category:** Zoology. Wildlife Ecology. Phylogenetics.

**Current Affiliation:** Programme Coordinator, MSc NRM, Center for Postgraduate Studies, Nepal Engineering College, Prayag Pokhari, Lalitpur, Nepal.

**Past Experiences:** Assistant Professor, Khwopa College. Science Teacher, Manamaiju Secondary School. Visiting Scientist, University of Washington.

**Education:** PhD in Zoology-Phylogeny of *Ochotona* Species from University of Chinese Academy of Science, China in 2017. MSc in Zoology from Tribhuvan University, Nepal in 2008. BSc in Biology from Tribhuvan University, Nepal in 2003.

**Awards:** Young Scientist (2011) by Mizoram University. Excellent International Graduate (2017) by Chinese Academy of Science. Nepal Vidhya Bhusan Award 'Ka' (2018) by Ministry of Education.

**Expertise:** Wildlife Ecology. Phylogenetics. Conservation Biology.

**Professional Affiliation:** Center for Postgraduate Studies, Nepal Engineering College, Pokhara University, Nepal. Central Department of Zoology, Tribhuvan University, Nepal. Department of Psychology, University of Washington, Seattle, USA.

**Correspondence:** **Mailing Address:** Sallaghar-1, Bhaktapur, Nepal. **Phone number/Cell:** 9841514747. **E-mail:** npkoju.2003@gmail.com



**482. Narayan Prasad Marasini (M; 1974; Nawalparasi, Nepal)**



- Category:** Engineering.
- Current Affiliation:** Director, National Society for Earthquake Technology-Nepal (NSET), House 65, CR-13, Sainbu Awas, Bhainsepati.
- Past Experiences:** Program Coordinator, Hulas Steel Industries Pvt Ltd.
- Education:** PhD in Investigation of Soil Liquefaction in Kathmandu Valley and Remediation on Existing Structures Using Desaturation by Air-injection Technique from Graduate School of Science and Engineering, Ehime University, Japan in 2016. ME in Evaluation of Desaturation Technique by Air Injection as Liquefaction Counter measure for Light Structures, from Graduate School of Science and Engineering, Ehime University, Japan in 2013. BE in Feasibility Study of Hydropower Project in Trishuli River at Rashuwa Dhunche from Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal in 2000.
- Awards:** Nepal Vidhya Bhusan 'Ka' (2018) by Honorable President of Nepal. "Best Presentation Award" (2014) by International Symposium Geohazards 2014. Provention Research and Action Grants (2007) by Provention Consortium.
- Expertise:** Disaster Risk Reduction. Liquefaction Potential Analysis and Mitigation Measures. Project Management.
- Professional Affiliation:** Member, Nepal Engineering Council, Registration No. 2155 "Civil", Category A. Member, Nepal Engineers' Association. Member, Japan Geotechnical Society.
- Correspondence:** **Mailing Address:** House 65, CR-13, Sainbu Awas, Bhainsepati, Nepal. **Phone number/Cell:** 015591000/9851243145. **E-mail:** nmarasini@nset.org.np

**483. Narendra Kumar Chaudhary (M; 1969; Morang, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Assistant Professor, Mahendra Morang Adarsh Multiple Campus, Biratnagar, Morang.

**Past Experiences:** Lecturer in Chemistry, Mahendra Morang Adarsh Multiple Campus, Biratnagar.

**Education:** PhD in Chemistry, Synthesis, Characterization and Biological Studies of 3d-Metal Complexes of Schiff bases of Aminoglycosides and Lactam Antibiotics from IOST, Tribhuvan University, Nepal in 2018. MSc in Chemistry from Central Department of Chemistry, Tribhuvan University, Kirtipur, Kathmandu, Nepal in 1993. BSc in Chemistry, Botany and Zoology from Amrit Science Campus, Tribhuvan University, Kathmandu, Nepal in 1990.

**Expertise:** Metal Complex Research. Natural Products.

**Professional Affiliation:** Mahendra Morang Adarsh Multiple Campus, Biratnagar, Nepal.

**Correspondence:** **Mailing Address:** Biratnagar-14, Morang, Nepal. **Phone number/Cell:** 9842020096. **E-mail:** chem\_narendra@yahoo.com



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**484. Naresh Dangi (M; 1984; Dang, Nepal)**

**Category:** Applied Entomology.

**Current Affiliation:** Scientist (S1), Nepal Agricultural Research Council, Singadurbar Plaza, Kathmandu, Nepal.

**Past Experiences:** Research Assistant, International Potato Center (CIP). Technical Officer (T6), Nepal Agricultural Research Council.

**Education:** PhD in Applied Entomology from Andong National University, Republic of Korea in 2018. MSc in Entomology-Insect Diversity and Potato Insect Pest Severity in Dang and Salyan Districts of Nepal from Institute of Agriculture and Animal Science, Tribhuvan University, Nepal in 2009. BSc in Agriculture from Institute of Agriculture and Animal Science, Tribhuvan University, Nepal in 2007.

**Awards:** Nepal Vidhya Bhusan (2019) by President, Government of Nepal.

**Expertise:** Conservation Biological Control. Biopesticide (Entomopathogenic Fungus). Pesticide Residue.

**Correspondence:** **Mailing Address:** Hemnagar, Tulsipur-12, Dang, Nepal. **Phone number/Cell:** 9851164012. **E-mail:** frennaresh1@gmail.com



**485. Naresh Manandhar (M; 1967; Kathmandu, Nepal)**

**Category:** Statistics.

**Current Affiliation:** Associate Professor, Kathmandu Medical College, Kathmandu-19, Nepal

**Past Experiences:** Assistant Professor, Kathmandu Medical College. Assistant Professor, College of Medical Sciences. Lecturer, Nepalgunj Medical College.

**Education:** PhD in Determinants of Primary School Dropout in Chitwan and Nawalparasi from Tribhuvan University, Nepal in 2013. MSc in Statistics from Tribhuvan University, Nepal in 1992. BSc in Physics, Math, Statistics from Tribhuvan University, Nepal in 1989.

**Awards:** Best Faculty Award (2019) by Kathmandu Medical College.

**Expertise:** Biostatistics. SPSS. Data Analysis.

**Professional Affiliation:** Kathmandu Medical College.

**Correspondence:** **Mailing Address:** Department of Community Medicine, Kathmandu Medical College, Sinamangal, Kathmandu, Nepal. **Phone number/Cell:** 9841500281. **E-mail:** nqareshsayami@yahoo.com



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**486. Nau Raj Pokhrel (M; 1980; Dailekh, Nepal)**

**Category:** Physics and Astronomy.

**Current Affiliation:** Faculty, The University of Tennessee, Knoxville, Tennessee.

**Past Experiences:** Faculty, South Texas College, McAllen, Texas.

**Education:** PhD in Star Formation and Porosity in Galaxies from Florida International University, United States in 2016. MSc in Chiral Properties of Spiral Galaxies from Tribhuvan University, Nepal in 2006.

**Professional Affiliation:** Member, American Astronomical Society. Life Member, Nepal Physical Society.

**Correspondence:** **Mailing Address:** Dullu-5, Dailekh, Nepal. **E-mail:** naurajpokhrel@gmail.com



**487. Nav Raj Adhikari (M; 1962; Morang, Nepal)**

**Category:** Crop Science. Plant Breeding. Genetics. Photosynthesis. Wheat. Rice. Maize.

**Current Affiliation:** Professor, Tribhuvan University, Nepal.

**Past Experiences:** Associate Professor, Tribhuvan University, Nepal.

**Education:** PhD in Evaluation of Single Cross Hybrids of Maize and Populations from Tribhuvan University, Nepal in 2015. MSc in Development of the (AB) (AB) DDRR Hexaploid Triticale Lines from Tottori University, Japan in 1995. BSc in Agriculture from Tribhuvan University, Nepal in 1984.

**Awards:** TWAS Award (2016) by TWAS, Italy.

**Expertise:** Plant Chromosome Engineering. Plant Cytogenetics. Plant Science. Crop Science. Plant Breeding. Plant Genetics. Photosynthesis (Light Reactions).

**Professional Affiliation:** Life Member, Association of Nepalese Agricultural Professionals of Americas.

**Correspondence:** **Mailing Address:** Kanchanbari, Biratnagar-5, Nepal. **Phone number/Cell:** 9845091522. **E-mail:** navraj.adhikari@gmail.com



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**488. Nava Raj Karki (M; 1967; Sindhuli, Nepal)**

**Category:** Electrical Power Engineering.

**Current Affiliation:** Professor, Tribhuvan University, Pulchowk Campus, Institute of Engineering, Pulchowk.

**Past Experiences:** Post-Doctoral Fellow (2017-2019), University of Saskatchewan, Canada. Visiting Faculty (2013-2014), Polytechnic University of Valencia, Spain. Visiting Researcher (2012), Lulea University of Technology, Sweden.

**Education:** PhD in Reliability Worth Assessment of a Power System in a Developing Country from Indian Institute of Technology-Bombay, India in 2011. MSc in Electrical Power Systems from Byelorussian State Polytechnical Academy, Belarus in 1995. BSc in Electrical Engineering from Byelorussian State Polytechnical Academy, Belarus in 1995.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2012) by Government of Nepal. Mahendra Vidhya Bhusan 'Kha' (2000) by Government of Nepal.

**Expertise:** Power System Planning. Power System Reliability. Power System Restructuring.

**Professional Affiliation:** Institute of Electrical and Electronics Engineers Inc. (IEEE), USA. Nepal Engineers' Association. Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS), Canada.

**Correspondence:** **Mailing Address:** Pulchowk Campus, Institute of Engineering, Pulchowk, Lalitpur, Nepal. **Phone number/Cell:** 9851152899. **E-mail:** nrkarki@ioe.edu.np



**489. Nava Raj Subedi (M; 1979; Kaski, Nepal)**

**Category:** Physics.

**Current Affiliation:** Post-Doctoral Fellow, University of Idaho, Moscow, ID 83844, USA.

**Past Experiences:** Research Associate, Washington State University. Lecturer, Post-Doctoral Associate, Mississippi State University.

**Education:** PhD in Characterization of Microparticles Through Digital Holography from Mississippi State University, United States in 2016. MSc in First-Principles Study of The Stability of Ozone Clusters  $[(O_3)_n]$ , For  $n=1-4$  from Tribhuvan University, Nepal in 2005.

**Expertise:** Digital Holography Microscopy. Light Sheet Microscopy. Light Scattering and Bioimaging.

**Professional Affiliation:** Nepal Physical Society. American Physical Society. Optical Society of America.

**Correspondence:** **Mailing Address:** 1012 S Deakin Street, Apt 1. **Phone number/Cell:** 6626487313. **E-mail:** navasubedi@gmail.com



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**490. Naveen Kumar Mahato (M; 1985; Dhanusa, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Development Engineer, ITK Engineering GmbH, Im Speyerer Tal 7-8, 76761 Rülzheim, Germany.

**Past Experiences:** Scientific Research Assistant, Department of Mathematics, Technique University, Kaiserslautern, Germany. Teaching Assistant of Partial Differential Equation, Central Department of Mathematics, Tribhuvan University, Kirtipur, Nepal.

**Education:** PhD in Numerical Methods for Macroscopic Pedestrian Flow Models from University of Kaiserslautern, Germany in 2019. MSc in Modeling and Simulation of Multi-Group Pedestrian Flow Models, A Study on Perturbation Method from University of Kaiserslautern, Germany in 2015. MSc in Mathematics from Central Department of Mathematics, Tribhuvan University, Kirtipur, Nepal in 2011. BSc in Mathematics from Tri-Chandra Campus, Tribhuvan University, Nepal in 2009.

**Awards:** Chancellor Gold Medal (2013) by Tribhuvan University. Ram Prasad Manandhar Gold Medal (2013) by Tribhuvan University. Pradhyapak Sangh Gold Medal and Padam Raj Medal (2013) by Tribhuvan University.

**Correspondence:** **Mailing Address:** Raiffeisenstr. 3, 76761 Rülzheim, Germany. **Phone number/Cell:** +4917626264253. **E-mail:** mathnaveen33@gmail.com



**491. Navin Kumar Chaudhary (M; 1979; Siraha, Nepal)**

**Category:**

Medical. Clinical Microbiology.

**Current Affiliation:**

Associate Professor and Head, Department of Microbiology, Chitwan Medical College and Teaching Hospital, Bharatpur, Nepal, Chitwan Medical College and Teaching Hospital, Bharatpur-10, Nepal.



**Past Experiences:**

Associate Professor, Department of Microbiology, National Medical College, Birgunj, Parsa, Nepal. Assistant Professor, Department of Microbiology and Faculty Incharge, Central Clinical Diagnostic Laboratory, National Medical College, Birgunj, Parsa, Nepal. Lecturer, Department of Microbiology and Faculty Incharge, Central Clinical Diagnostic Laboratory, College of Medical Sciences, Bhartpur, Chitwan, Nepal.

**Education:**

PhD in Medical Microbiology-Antimicrobial Resistance Among Uropathogens with Reference to Extended Spectrum lactamase production from University of Mysore, India in 2016. MSc in Medical Microbiology-Profile of uropathogenic bacterial flora in male with special reference to adhesive organelles from BP Koirala Institute of Health Sciences, Dharan, Nepal in 2009. BSc in Medical Laboratory Technology from Rajiv Gandhi University of Health Sciences, Bangalore, India in 2004.

**Awards:**

Academic Excellence (2004) by Dr. MV Shetty College of Medical Laboratory Technology, Bangalore, India.

**Expertise:**

Teaching Clinical Microbiology to MBBS, MD/MS, BDS, BSc. Nursing, MSc Nursing, MPH, BSc MLT, BPharm, BScMIT Students. To Deliver Lecture, Conduct Tutorials and Practical Classes. To Conduct Correlation Seminar, CME, Journal Club. To Conduct Internal Assessment Examination and University Examination. Guide Thesis of Undergraduate and Postgraduate Students. Help Physicians in Diagnosing Illnesses and Selecting Treatments. Develop and Plan Methods to Prevent The Spread of Disease. Follow Regular Sampling Schedules within a Hospital. Monitor and Identify Microorganisms and Test Antimicrobial Sensitivity. Use a Variety of Identification Methods, Including Molecular Techniques to Test Samples. Maintain Quality Control in Clinical Laboratory.

**Professional Affiliation:** Chitwan Medical College and Teaching Hospital, Bharatpur-10, Nepal.

**Correspondence:**

**Mailing Address:** Department of Microbiology, Chitwan Medical College and Teaching Hospital, Bharatpur-10, Chitwan, Nepal. **Phone number/Cell:** 9845610052. **E-mail:** drnavinkumarchaudhary@gmail.com

**492. Nawal Shrestha (M; 1982; Morang, Nepal)**

**Category:** Botany. Ecology. Plant Systematics.

**Current Affiliation:** Young Researcher, Lanzhou University, Gansu Province, PR China.

**Past Experiences:** Post-Doctoral Researcher, Peking University, Beijing, China. Research Associate, State Key Laboratory of Systematic and Evolutionary Botany, Beijing, China. Senior Biology Teacher and Head of Department of Science, Rosebud School, New Baneshwor, Kathmandu, Nepal.

**Education:** PhD in Botany from University of Chinese Academy of Sciences, China in 2015. MSc in Botany from Tribhuvan University, Nepal in 2007. BSc in Botany from Tribhuvan University, Nepal in 2003.

**Awards:** Excellent Oral Presentation Award of Young Scientist (2018) by Chinese Pharmacological Society. Nepal Vidhya Bhusan Class A (2016) by Ministry of Education, Government of Nepal. Excellent Student (2012) by University of Chinese Academy of Sciences.

**Expertise:** Plant Systematic. Biodiversity Assessment and Conservation Planning. GIS and Spatial Analyses.

**Correspondence:** **Mailing Address:** Institute of Innovation Ecology, Lanzhou University, No. 222 South Tianshui Road, Lanzhou 730000, Gansu Province, P.R. China. **Phone number/Cell:** +86-18810250501. **E-mail:** nawalshrestha@gmail.com



**493. Nawraj Bhattarai (M; 1975; Sarlahi, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Head, Department of Mechanical Engineering, Pulchowk Campus, Institute of Engineering, Tribhuvan University, Lalitpur, Nepal.

**Past Experiences:** Deputy Director, Centre for Energy Studies (CES), Institute of Engineering, TU. Production Engineer, Colgate-Palmolive Nepal Limited, Hetauda, Nepal.

**Education:** PhD in National Energy Demand Projection and Analysis of Nepal from Vienna University of Technology, Vienna, Austria in 2015. MSc in Study on Grid Connected PV System in Nepal from Tribhuvan University, Nepal in 2004. BE in Design of Air-conditioning System for Hotel from Tribhuvan University, Nepal in 2000.

**Awards:** Nepal Vidhya Bhushan 'Ka' (2015) by Head of State, Nepal. Nepal Vidhya Bhushan 'Kha' (2007) by Head of State, Nepal.

**Expertise:** Energy Planning and Management. Renewable Energy Technologies. Mechanical Engineering.

**Professional Affiliation:** Nepal Engineering Association (NEA), Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Department of Mechanical Engineering, Pulchowk Campus, Lalitpur, Nepal. **Phone number/Cell:** 9841344978. **E-mail:** bnawraj@ioe.edu.np



**494. Nayan Kumar Prasad (M; 1962; Mahottari, Nepal)**

**Category:** Zoology.

**Current Affiliation:** Reader, Department of Zoology, RRM Campus, Tribhuvan University, Janakpur, Nepal.

**Past Experiences:** Chairman, Department of Zoology, TM Campus, Palpa, Nepal.

**Education:** PhD in Effects of Prolonged Food Deprivation on Some Biochemical Constituents of Blood and Some Other Organs of an Air-Breathing Teleost-*Clarias batrachus* from LN Mithila University, India in 2017. MSc in Zoology from Tribhuvan University, Nepal in 1985. BSc in Zoology from Magadh University, India in 1982.

**Awards:** Mahima Life Time Achievement Award-2018 (2018) by Mahima Research Foundation and Social Welfare, Banaras Hindu University, India. Nepal Vidhya Bhushan Padak (2018) by Ministry of Education, Nepal. Deerga Sewa Padak (Long Service Medal) (2017) by Tribhuvan University, Nepal.

**Expertise:** Fish and Fisheries.

**Professional Affiliation:** Nepal Aquaculture Society, Kathmandu. Ekta Books, Thapathali, Kathmandu.

**Correspondence:** **Mailing Address:** Department of Zoology, RR Multiple Campus, Janakpur, Nepal. **Phone number/Cell:** 9854027357. **E-mail:** drnayanprasad@gmail.com



**495. Neel Kamal Chapagain (M; 1975; Sunsari, Nepal)**



- Category:** Architecture. Planning. Cultural Heritage. Heritage Management. Integrated Development. Indigenous Knowledge Systems.
- Current Affiliation:** Director, Centre for Heritage Management, Ahmedabad University, 380009, India.
- Past Experiences:** Visiting Fellow, UNESCO C2C for World Natural Heritage Management and Training for the Asia Pacific Region. Consultant, UNESCO Bangkok. Associate Lecturer, University of Wisconsin-Stevens Point (USA).
- Education:** PhD in Rethinking Cultural Heritage Conservation from University of Wisconsin-Milwaukee, United States in 2011. Architecture Doctorate in Architecture from University of Hawaii at Manoa, United States in 2005. Graduate Certificate in Historic Preservation from University of Hawaii at Manoa in 2005. BArchitecture from IOE, Tribhuvan University, Nepal in 2000.
- Awards:** Institution Development Award (2016) by Chairman, Board of Management, Ahmedabad University. Architecture Research Centre's Consortium Best Researcher Award (2012-13) by ARCC. Graduate Degree Fellowship (2003-2005) by Asian Development Bank/East West Centre.
- Expertise:** Architecture and Planning. Heritage Conservation and Management. Contextual Learning and Indigenous Knowledge Systems.
- Professional Affiliation:** Executive Member, Asian Academy of Heritage Management (Promoted by UNESCO and ICCROM). Bureau Member, Asia Pacific Higher Education Network for Intangible Cultural Heritage (APHEN-ICH, promoted by UNESCO and ICHCAP). Expert Member, ICOMOS International Scientific Committee on Earthen Architectural Heritage.
- Correspondence:** **Mailing Address:** Ekta Marg, Tarahara, Near Paradise School. **Phone number/Cell:** +977255475013/9862059011/+918758691254. **E-mail:** neelkamal.chapagain@gmail.com

**496. Neel Kamal Koju (F; 1985; Bhaktapur, Nepal)**

**Category:** Environmental Science.

**Current Affiliation:** Research Fellow, Nepal Academy of Science and Technology, Satdobato, Lalitpur.

**Past Experiences:** Assistant Professor, Golden Gate International College. Assistant Research Fellow, Nepal Academy of Science and Technology. Research Assistant, Nepal Academy of Science and Technology.

**Education:** PhD in Environmental Science-Injection-Based Remediation of Cadmium from Groundwater Using Nanoparticles: Efficiency, Mechanism and Mobility from Institute of Soil Science, University of Chinese Academy of Science, China in 2018. MSc in Environmental Science-The Hill Agricultural System at Naldum VDC of Kaverepalanchok District, Middle Hills of Nepal from Khwopa College, Tribhuvan University, Nepal in 2009. BSc in Environmental Science-Status of Mercury (Hg) in the Kathmandu Valley from Khwopa College, Tribhuvan University, Nepal in 2007.

**Awards:** RTF-DCS Fellowship (2014) by Government of India, Department of Science and Technology (DST) of the Ministry of Science and Technology. TWAS-CAS Fellowship (2014) by In Collaboration with Italy and Chinese Government. Nanjing Municipality International Student Fellowship (2015-2017) by Nanjing Municipality, China.

**Expertise:** Water Treatment Technology. Nano Technology. Heavy Metals Remediation.

**Professional Affiliation:** Nepal Academy of Science and Technology, Satdobato, Lalitpur, Nepal. Institute of Soil Science, Nanjing China. Golden Gate International College, Battisputali, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Sallaghari, Bhaktapur, Nepal. **Phone number/Cell:** 9869203738. **E-mail:** d.neelkamal@yahoo.com



**497. Neera Shrestha Pradhan (F; 1970; Saptari, Nepal)**



- Category:** Civil Engineering. River Basin Management. Climate Change Adaptation. Freshwater Management and Conservation. Community Adaptation and Disaster Risk Reduction.
- Current Affiliation:** Senior Water and Adaptation Specialist, Programme Coordinator, SWARMA, International Center for Integrated Mountain Development (ICIMOD), House No 5, Peace Lane, Sanepa, Lalitpur, Nepal.
- Past Experiences:** Manager, Freshwater Program, World Wildlife Fund (WWF). Consultant (Clean Environment Partnerships), IUCN Nepal Country Office. Program Officer, Regional Environment Assessment Program (REAP), IUCN-Asia.
- Education:** PhD in Botany from Kunming Institute of Botany, Kunming University, University of Chinese Academy of Sciences (UCAS), China in 2017. MSc in Urban Environmental Management from Asian Institute of Technology (AIT), Thailand in 1999. BE in Civil Engineering from National Institute of Technology, Bardhavan University, Indonesia in 1994.
- Awards:** Nepal Vidhya Bhusan (2019) by Government of Nepal. Mahendra Vidhya Bhusan (2000) by Government of Nepal. Yoshiro Takasaki Prize (1999) by Asian Institute of Technology (AIT).
- Expertise:** Water and Adaptation. Community Based Disaster Risk Management. Integrated River Basin Management.
- Professional Affiliation:** Nepal Engineering Association.
- Correspondence:** **Mailing Address:** House No 5, Peace Lane, Sanepa, Lalitpur, Nepal. **Phone number/Cell:** 015553332/9851187223. **E-mail:** neerashrestha@hotmail.com

**498. Netra Lal Bhandari (M; 1976; Nawalparasi, Nepal)**



- Category:** Organic Polymer Chemistry. Nanochemistry. Dye Chemistry and Material Science.
- Current Affiliation:** Assistant Professor, Tribhuvan University, Kathmandu, Nepal.
- Past Experiences:** Organizer of Several National and International Conferences, Nepal Polymer Institute and Tribhuvan University, Nepal. Research Stay as Researcher, Martin-Luther University, Germany. Rouen University, France. Mahatma Gandhi University, Kerala, India. Oral/Poster Presentations, More than 50 National/International Conferences, Research Institutes and Universities in Nepal, India, Germany, France, Thailand, Korea, Japan.
- Education:** PhD in Polymer Composites from Central Department of Chemistry, Institute of Science and Technology (IoST), Tribhuvan University, Nepal in 2014. MSc in Organic Chemistry from Central Department of Chemistry, Institute of Science and Technology (IoST), Tribhuvan University, Nepal in 2002. BSc in Chemistry Major from Tri-Chandra Multiple Campus, Tribhuvan University, Nepal in 2000.
- Awards:** Nepal Vidhya Bhusan Award (2016) by President of Nepal. PhD Fellowship Award (2009-2014) by University Grants Commission (UGC), Nepal. Mini Research Project on Natural Dyes (2017) by University Grants Commission (UGC), Nepal.
- Expertise:** Polymer Chemistry and Composite Materials for Sustainable Development. Nano-Chemistry and Material Science. Organic Chemistry. Medicinal/ Natural Product Chemistry and Dye Chemistry.
- Professional Affiliation:** Assistant Professor, Department of Chemistry, Tri-Chandra Campus, Tribhuvan University. Editor-in-Chief, Journal of Nepal Chemical Society, Kathmandu, Nepal. Founder and Former Secretary, Nepal Polymer Institute (NPI), Kathmandu, Nepal.
- Correspondence:** **Mailing Address:** Kathmandu, Nepal. **Phone number/Cell:** 9841502699. **E-mail:** netra.tu.edu@gmail.com

**499. Netra Prasad Gyawali (M; 1974; Gulmi, Nepal)**

**Category:** Electric Power System.

**Current Affiliation:** CEO, National Transmission Grid Company Ltd, DCO Building, Babarmahal, Kathmandu.

**Past Experiences:** Associate Professor, Institute of Engineering. Asst Professor, Institute of Engineering. Electrical Engineer, MEH Consultant.

**Education:** PhD in Electrical Engineering from Kyoto University, Japan in 2011. MSc in Electrical Engineering from Kyoto University, Japan in 2008. BTech in Electrical Engineering from IOE, TU, Nepal in 1999.

**Awards:** Mahendra Vidhya Bhusan 'Ka' (2012) by Government of Nepal. MEXT Award (2005) by Government of Japan. Paizely Award (1998, 99) by IOE, TU.

**Expertise:** Power Transmission System, Planning, Design and Management. Power System Planning, Dynamics. Distributed Energy Resources. Microgrid.

**Professional Affiliation:** National Transmission Company Ltd. Institute of Engineering, TU.

**Correspondence:** **Mailing Address:** DCO Building, Babar Mahal, Kathmandu, Nepal. **Phone number/Cell:** +97714275765. **E-mail:** rpgcl.np@gmail.com



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**500. Nilam Shrestha Pradhan (F; 1964; Kathmandu, Nepal)**

**Category:** Physics.

**Current Affiliation:** Professor, Research Center for Applied Science and Technology (RECAST), Tribhuvan University, Kirtipur.

**Past Experiences:** Professor, Tri-Chandra Multiple Campus.

**Education:** PhD in Atomic and Molecular Physics from Tribhuvan University, Kirtipur, Nepal in 2014. MSc in Solid State Physics from Tribhuvan University, Nepal in 1988. BSc in Physics, Chemistry and Mathematics from Tribhuvan University, Nepal in 1986.

**Awards:** Nepal Vidhya Bhusan (2016) by President of Nepal.

**Expertise:** Mentorship in Physics and Research. Nuclear Radiation.

**Professional Affiliation:** Research Center for Applied Science and Technology, Tribhuvan University. Editor, JIST.

**Correspondence:** **Mailing Address:** Research Center for Applied Science and Technology, Tribhuvan University, Kirtipur, Nepal. **Phone number/Cell:** 9841221611. **E-mail:** nilamspradhan@gmail.com.



**501. Nina Pandey Joshi (F; 1956; Kathmandu, Nepal)**

**Category:** Mycology.

**Current Affiliation:** Associate Professor, Patan Multiple Campus, Patandhoka, Lalitpur.

**Past Experiences:** Assistant Lecturer, Patan Multiple Campus. Lecturer, Patan Multiple Campus. Head, Department of Biology, Campion Academy, Mahalaxmithan, Lalitpur.

**Education:** PhD in Diversity of Mushrooms in Central Nepal: Ethnomycological Approach from Central Department of Botany, Tribhuvan University, Kirtipur, Nepal in 2010. MSc in Pathology and Cytology from Central Department of Botany, Tribhuvan University, Kirtipur, Nepal in 1983. BSc in Botany, Pathology from Tri-Chandra Multiple Campus, Tribhuvan University, Nepal in 1977.

**Awards:** Nepal Vidhya Bhusan Padak (2012) by Ministry of Science and Technology. Deerga Sewa Padak (Long Service Medal) (2013) by Tribhuvan University.

**Expertise:** Mushroom Expert. Pathology.

**Correspondence:** **Mailing Address:** Ambika Marga House No. 117. **Phone number/Cell:** 014472005/9849594118. **E-mail:** drninapandey@gmail.com



**502. Niraj Chaudhary (M; 1983; Surkhet, Nepal)**

**Category:** Clinical Pharmacy. Clinical Biochemistry. Medical Technology.

**Current Affiliation:** Assistant Professor, Pokhara University, Pokhara-30, Dungepatan.

**Past Experiences:** Lecturer, SHAS.

**Education:** PhD in Molecular Medicine-Drug discovery from Kumamoto University, Japan in 2019. MSc in Clinical Biochemistry from HNB Gharwal University, India in 2009. BSc in Medical Laboratory Technology from Doon Paramedical College, Nepal in 2006.

**Awards:** HIGO Scholarship (2015) by Kumamoto University .

**Expertise:** Molecular Biology. Clinical Chemistry. Medical Laboratory Technology.

**Professional Affiliation:** Pokhara University, SHAS.

**Correspondence:** **Mailing Address:** Birendranagar-8, New Road Khajura, Surkhet, Nepal. **Phone number/Cell:** 9864425381. **E-mail:** nirajchaudharypu@gmail.com



**503. Niraj Dhital (M; 1984; Kathmandu, Nepal)**

**Category:** Physics.

**Current Affiliation:** Lecturer, St. Xavier's College, Maitighar, Kathmandu, Nepal.

**Past Experiences:** Scientist, Lecturer, The Henryk Niewodnicza? Ski Institute of Nuclear Physics, Polish Academy of Sciences. Post-Doctoral Researcher, Michigan Technological University.

**Education:** PhD in Particle Astrophysics from Michigan Technological University, United States in 2015. MSc in Physics from Central Department of Physics, Kirtipur, Nepal in 2006. BSc in Physics from Tri-Chandra College, Ghantaghar, Nepal in 2004.

**Awards:** Outstanding Scholarship Award (2014) by Michigan Technological University.

**Expertise:** Particle Astrophysics. High Energy Astrophysics.

**Correspondence:** **Mailing Address:** Dhithalok, Tarakeshwor-5, Kathmandu, Nepal. **Phone number Cell:** 9841477484. **E-mail:** ndhital@mtu.edu



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**504. Niraj Man Shrestha (M; 1977; Gorkha, Nepal)**

**Category:** Semiconductor Device.

**Current Affiliation:** Post-Doctoral Fellow, National Chiao Tung University, Hsinchu City 300, Taiwan .

**Past Experiences:** Post-Doctoral Fellow, National Central University, Lecturer, Tri-Chandra Multiple Campus, Nepal.

**Education:** PhD in Design, Simulation and Development of Advanced Gallium Nitride Based High Electron Mobility Transistors for Power Electronic Applications from National Chiao Tung University, Taiwan in 2016. MSc in Physics from TU, Nepal in 2002. BSc in Physics from Tri-Chandra Campus, TU, Nepal in 1999.

**Awards:** Nepal Vidhya Bhusan A (2018) by Government of Nepal. Outstanding Current Student Scholarship Award (2011) by National Chiao Tung University, Taiwan. Golden Bamboo Scholarship Award (2010, 2011, 2012) by National Chiao Tung University, Taiwan.

**Expertise:** GaN-based HEMT Simulation. Device Fabrication. Epilayer Grow.

**Professional Affiliation:** Member, IEEE. Editorial Board Member, Nanoscience and Nanometrology. Life Member, Nepal Physical Society.

**Correspondence:** **Mailing Address:** Floor 5, No. 3, Alley 3, lane 49, Dong San Street, Hsinchu City 300, Taiwan. **Phone number/Cell:** +886981941160. **E-mail:** nirajnctu@gmail.com



**505. Nirajan Bhattarai (M; 1981; Jhapa, Nepal)**

**Category:** Animal Science. Animal Breeding and Biotechnology.  
**Current Affiliation:** Associate Professor, Faculty of Animal Science, Veterinary Science and Fisheries, Agriculture and Forestry University, Bharatpur-15, Rampur, Chitwan, Nepal.



**Past Experiences:** Assistant Professor, Faculty of Animal Science, Veterinary Science and Fisheries, Agriculture and Forestry University. Assistant Professor, Institute of Agriculture and Animal Science, Tribhuvan University, Rampur, Chitwan. Team Leader, Friends for Peacebuilding and Development (Fri PAD).

**Education:** PhD in Animal Breeding from Institute of Agriculture and Animal Science, Tribhuvan University, Nepal in 2017. MSc in Animal Science (Animal Breeding) from Institute of Agriculture and Animal Science, Tribhuvan University, Nepal in 2007. BSc in Agriculture from Institute of Agriculture and Animal Science, Tribhuvan University, Nepal in 2005.

**Awards:** International Short Term Scholar Award (2019) by Mountain Partnership Secretariat, FAO, Rome. International Short Term Scholar Award (2018) by USAID/University of Florida, USA. International Short Term Scholar Award (2012) by USAID/Michigan State University, USA.

**Expertise:** Livestock and Poultry Breeding. Quantitative Genetics and Genetic Improvement. Indigenous Animal Genetic Resource Conservation.

**Professional Affiliation:** Vice-President and Life Member, Nepal Animal Science Association (NASA), Kathmandu, Nepal. Patron, The Eco Minions. Life Member, IAAS Alumni Association.

**Correspondence:** **Mailing Address:** Faculty of Animal Science, Veterinary Science and Fisheries, Agriculture and Forestry University, Bharatpur-15, Rampur, Chitwan, Nepal. **Phone number/Cell:** 9855060704. **E-mail:** nbhattarai@afu.edu.np

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**506. Niran Maharjan (M; 1987; Kathmandu, Nepal)**

**Category:** Molecular Neuroscience.

**Current Affiliation:** Post-Doc, Department of Biomedical Research, Bern, Switzerland.

**Past Experiences:** Post-Doc, Laboratory of Molecular and Chemical Biology of Neurodegeneration, EPFL, Switzerland. PhD, Institute for Cell Biology, University of Bern.

**Education:** PhD in Neuroscience from University of Bern, Switzerland in 2015. MSc in Molecular Life Sciences from University of Bern, Switzerland in 2012. BSc in Biotechnology from LBEF, Nepal in 2009.

**Awards:** Masters Grant (2010) by University of Bern.

**Expertise:** Molecular Biology. Biochemistry. Neuroscience. Protein Aggregation and ER Stress.

**Professional Affiliation:** Swiss Society for Neuroscience (SSN).

**Correspondence:** **Mailing Address:** DBMR, Murternstrasse 40, 3008 Bern, CH. **Phone number/Cell:** 0041787110805. **E-mail:** nirannewa@gmail.com, niran.maharjan@dbmr.unibe.ch



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**507. Niranjan Koirala (M; 1985; Kaski, Nepal)**

**Category:** Biochemical Engineering.

**Current Affiliation:** Post-Doctoral Research Fellow, University of Macau, Faculty of Science and Technology, University of Macau, Macau SAR, China.

**Past Experiences:** Post-Doctoral Research Fellow, Universidad Nacional Autonoma de Mexico, Mexico. Head, the Department of Biochemistry, Nobel College, Pokhara University, Nepal. Chairman, Dr. Koirala Research Institute for Biotechnology and Biodiversity, Nepal.

**Education:** PhD in Biochemical Engineering-Metabolic Engineering of *Escherichia coli* for The Production of Flavonoid Derivatives from Sun Moon University, Republic of Korea in 2016. MSc in Biotechnology from Bangalore University, India in 2010. BSc in Microbiology and Biotechnology from Bangalore University, India in 2008.

**Awards:** Nepal Vidhya Bhusan (2016) by Ministry of Education, Nepal Government. Dean's Gold Medal (2016) by Sun Moon University, South Korea. Young Scientist Award (2016) by BRICPL, India.

**Expertise:** Natural Products Drugs Discovery. Pharmaceutical Engineering and Pharmaceutical Chemistry. Environmental Biotechnology.

**Professional Affiliation:** American Society for Microbiology, USA. International Chemical Biology Society, USA. Biotechnology Society of Nepal, Nepal.

**Correspondence:** **Mailing Address:** Dr. Koirala Research Institute for Biotechnology and Biodiversity, Kathmandu, Nepal. **Phone number/Cell:** 9861865558. **E-mail:** koirala.biochem@gmail.com.



**508. Nirajan Shrestha (M; 1975; Gorkha, Nepal)**

**Category:** Statistics.

**Current Affiliation:** Assistant Professor, School of Health and Allied Sciences, Pokhara University, Pokhara-30, Kaski.

**Past Experiences:** Assistant Professor, School of Health and Allied Sciences, Pokhara University.

**Education:** PhD in Statistics from National Chiao Tung University, Taiwan in 2018. MSc in Statistics from Tribhuvan University, Nepal in 1998. BSc in Statistics, Physics, Mathematics from Amrit Science Campus, Nepal in 1996.

**Awards:** Nepal Vidhya Bhusan (2018) by Government of Nepal.

**Expertise:** Statistics.

**Professional Affiliation:** School of Health and Allied Sciences, Pokhara University, Pokhara, Kaski.

**Correspondence:** **Mailing Address:** School of Health and Allied Sciences, Faculty of Health Sciences, Pokhara University, Pokhara-30, Kaski, Nepal. **Phone number/Cell:** 9856048774. **E-mail:** nrjanstha@gmail.com



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**509. Niresh Thapa (M; 1980; Rupandehi, Nepal)**

**Category:** Medicine.

**Current Affiliation:** Associate Professor, Karnali Academy of Health Sciences, Jumla.

**Past Experiences:** Medical Director, KAHS, Jumla.

**Education:** PhD in Gynecologic Oncology from Wuhan University, China in 2019. MD in General Practice from Tribhuvan University, Nepal in 2012. MBBS from Wuhan University, China in 2006.

**Awards:** GHDI Award (2019) by Harvard University. Excellent International Student Award (2018/2019) by Chinese Government Scholarship Council. CSC PhD Scholarship Award (2015) by Chinese Government Scholarship Council.

**Expertise:** Gynecologic Cancer Surgery. Minimal Invasive Surgery. Emergency Medicine and General Practice.

**Professional Affiliation:** Karnali Academy of Health Sciences, Jumla, Nepal.

**Correspondence:** **Mailing Address:** Sainamaina-6, Rupandehi, Nepal. **Phone number/Cell:** 9857028261. **E-mail:** niresht@hotmail.com



**510. Nirina Khadgi (F; 1985; Kathmandu, Nepal)**

**Category:** Environmental Science.

**Current Affiliation:** Visiting Researcher, Technical University of Munich, Germany.

**Past Experiences:** PhD Candidate, Hohai University. Teacher, Rato Bangala School. Researcher, National Trust for Nature Conservation.

**Education:** PhD in Water Treatment, Environmental Science from Hohai University, China in 2018. MSc in Resource Assessment, Mountain Environment from Central Department of Environmental Science, Nepal in 2008. BSc in Environmental Science from Tri-Chandra College, TU, Nepal in 2006.

**Awards:** Vidhya Bhusan (2019) by Government of Nepal. Green Talents (2018) by BMBF, Germany. Excellence Award (2017) by Hohai University, China.

**Expertise:** Water Treatment. Nano Technology. Emerging Contaminants.

**Professional Affiliation:** Technical University of Munich, Germany.

**Correspondence:** **Mailing Address:** Block No. 92/31, Kuleshwor, Kathmandu, Nepal. **Phone number/Cell:** 9841966237. **E-mail:** neerina@hotmail.com



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**511. Nirjala Laxmi Madhikarmi (F; 1980; Bhaktapur, Nepal)**

**Category:** Biochemistry.

**Current Affiliation:** Associate Professor, Kantipur Dental College Teaching Hospital, Basundhara, Kathmandu.

**Past Experiences:** Assistant Professor, Kedia Dental College and Teaching Hospital, Birgunj. Assistant Professor, National Medical College and Teaching Hospital, Birgunj.

**Education:** PhD in Biochemistry-Studies on Oxidants, Antioxidants and Antioxidant Enzymes in Anemic Individuals from Bangalore University, India in 2013. MSc in Medical Biochemistry-Prooxidant Antioxidant Balance in Etiopathogenesis of Diabetes Mellitus in Nepali Population from Kathmandu University, Nepal in 2006. BSc in Biochemistry-Comparative Study on Serum Uric Acid Level of Patients Attending Kathmandu Model Hospital and Students of National College for Advanced Learning from Purbanchal University, Nepal in 2004.

**Awards:** Nepal Vidhya Bhusan (2015) by President. Silver Jubilee Scholarship (2008-2013) by Government of India.

**Expertise:** Animal Experiments. Diabetes Mellitus. Oxidants and Antioxidants. Anemia. Oxidants and Antioxidants.

**Professional Affiliation:** Indian Association of Biomedical Scientists. Association of Clinical Biochemistry, India.

**Correspondence:** **Mailing Address:** Nagadesh, Old Thimi, Madhyapur, Nepal. **Phone number/Cell:** 9845601212. **E-mail:** nirjala4@gmail.com



**512. Nirmal Kumar Bishwakarma (M; 1971; Kapilvastu, Nepal)**

**Category:** Natural Resource Management.

**Current Affiliation:** Consultant, Prosperity Initiatives Pvt Ltd, Kathmandu.

**Past Experiences:** Livelihoods and Governance Theme Lead, NAP-Ministry of Federal Affairs and Local Development. Coordinator/Manager, DFID-Livelihoods and Forestry Programme.



**Education:** PhD in Food Security in Resource Scarce Areas and Quest for Inclusion of Marginal Groups in Far-Western Region of Nepal from Kathmandu University, Nepal in 2016. MSc in Rural Development from Tribhuvan University, Nepal in 2008. BSc in Forestry from Institute of Forestry, Nepal in 1999.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2017) by Ministry of Science and Technology.

**Expertise:** Climate Change and Disaster Risk Reduction and Management. Livelihoods and Governance. Natural Resource Management.

**Professional Affiliation:** Forest Action Nepal. Nepal PhD Association. Right to Food Network.

**Correspondence:** **Mailing Address:** Dhambarahi, Bishnu Marg, Kathmandu-4, Nepal. **Phone number/Cell:** 9841635663. **E-mail:** nirmalbk1971@yahoo.com

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**513. Nirmala Giri (F; 1947; Sunsari, India)**

**Category:** Botany.

**Past Experiences:** Associate Professor, Central Department of Botany, Tribhuvan University, Nepal. Research Assistant, University of Kentucky, USA. Teacher, Ministry of Education, NZ.



**Education:** PhD in Cytogenetical and Biochemical investigations in *Trifolium* spp from Patna University, India in 1992. MSc in Botany from Patna University, Patna, India in 1968. BSc in Biology and Chemistry from Tribhuvan University, Nepal in 1966.

**Awards:** Deergha Sewa Padak (Long Service Medal) (1996) by Tribhuvan University, Nepal. Siksha Puraskar (1987) by His Majesty Government, Nepal. Colomboplan Scholarship (1966) by Colomboplan.

**Expertise:** Cytogenetics and Bio-chemical analysis of *Trifolium* spp. Teaching in Colleges and University. Interpretation, English/Nepali.

**Professional Affiliation:** Tribhuvan University, Kirtipur, Nepal. University of Kentucky, Lexington, KY, USA.

**Correspondence:** **Mailing Address:** 154B Rockfield Road, Penrose, Auckland, NZ 1061. **Phone number/Cell:** 6495802245/640212178503. **E-mail:** nirmala.giri@gmail.com

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**514. Nirmala Joshi Pradhan (F; 1960; Lalitpur, Nepal)**

**Category:** Botany.

**Current Affiliation:** Former Senior Scientific Officer, Department of Plant Resources, Thapathali, Kathmandu, Nepal.

**Past Experiences:** Senior Scientific Officer, Department of Plant Resources, Thapathali, Kathmandu. Assistant Scientific Officer, National Botanical Garden, Lalitpur, Nepal. Assistant Scientific Officer, National Herbarium and Plant Laboratories, Godawari, Lalitpur, Nepal.

**Education:** PhD in Utilization Pattern and Conservation Status of Plant Resources of Makawanpur District, Nepal from Central Department of Botany, Kathmandu, Tribhuvan University Nepal in 2015. MSc in Interaction Between Phosphate-Solubilizing Bacteria and (Vesicular)-Arbuscular Mycorrhizal Fungi and Their Effects on Growth and Uptake of Maize (*Zea mays*) from Institute of Plant Production in Tropics und Subtropics, Georg-August-University, Goettingen, Germany in 1996. BSc in Botany, Zoology, Chemistry from Tri-Chandra College, Nepal in 1984.

**Awards:** Nepal Vidhya Bhusan Padak (2016) by Honourable President. DAAD Fellowship (1994 to 1996) by German Academic Exchange Service. NAST PhD Fellowship (2009-2011) by Nepal Academy of Science and Technology.

**Expertise:** Biodiversity Conservation. Ethnobotany. Plant Taxonomy. Floriculture. Horticulture.

**Professional Affiliation:** Ministry of Forests and Environment, Department of Plant Resources, Biodiversity Section, Thapathali, Kathmandu, Nepal. Conservation and Educational Garden, National Botanical Garden, Godawari, Lalitpur, Nepal. Higher Plant Section, National Herbarium and Plant Laboratories, Godawari, Lalitpur, Nepal.

**Correspondence:** **Mailing Address:** Sundhara, Ilachheyn, Lalitpur-17, Nepal. **Phone number/Cell:** 9841408481. **E-mail:** nirmalaktm@gmail.com



**515. Nirmala Tilija Pun (F; 1987; Myagdi, Nepal)**

**Category:** Biology.

**Current Affiliation:** Post-Doctoral Researcher, Keimyung University, Daegu, South Korea,

**Past Experiences:** Tutorial Lecturer, Sunsari Technical College, Dharan, Nepal.

**Education:** PhD in Molecular Pharmacology from Yeungnam University, Republic of Korea in 2019. MSc in Molecular Pharmacology from Yeungnam University, Republic of Korea in 2015. BSc in Pharmacy from School of Health and Allied Sciences, Pokhara University, Nepal in 2012.

**Awards:** Full Bachelor Scholarship under the Title 'Primitive Ethnic Group' (2007) by Pokhara University. Full International Scholarship in Master and PhD (2013) by Yeungnam University, South Korea. Distinguished Oral Presentation Award (2015) by Pharmaceutical Society of Korea.

**Expertise:** Autophagy. Cancer. Inflammation.

**Correspondence:** **Mailing Address:** Lab of Cancer Molecular Pharmacology, Room 428, Pharmacy, Keimyung University, 1035 Dalgubeol-Daero, Sindang-Dong, Dalseo-Gu, Daegu, South Korea. **Phone number/Cell:** +82-1048186402. **E-mail:** tilijanp@gmail.com



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**516. Niroj Maharjan (M; 1990; Kathmandu, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Development Scientist, Agency for Science and Technology (A\*STAR), CleanTech Two, Singapore 637143.

**Past Experiences:** Research Assistant, Turbine Testing Lab, Kathmandu University.

**Education:** PhD in Laser surface hardening of bearing steels from Nanyang Technological University, Singapore in 2018. BE in Mechanical Engineering from Kathmandu University, Nepal in 2013.

**Awards:** Singapore International Graduate Award (SINGA) (2014) by Agency for Science and Technology (A\*STAR), Singapore.

**Expertise:** Laser Material Processing. Surface Engineering. Material Characterization.

**Professional Affiliation:** Chartered Engineer, Institute of Mechanical Engineers (C.Eng. IMechE), United Kingdom. Full Member, Singapore Welding Society, Singapore. Founding Member, International Society for Intelligent Manufacturing (ISFIM), Singapore.

**Correspondence:** **Mailing Address:** 3 Cleantech Loop, #01-01, Cleantech Two. **Phone number/Cell:** 83600626. **E-mail:** mah.niroj91@gmail.com



**517. Nisha Jha (F; 1978; Dhanusa, Nepal)**

- Category:** Pharmacology. Pharmacy. Rational use of Drugs. Pharmacovigilance. Antimicrobial Resistance.
- Current Affiliation:** Associate Professor, Department of Pharmacology, KIST Medical College, Imadol, Lalitpur.
- Past Experiences:** Lecturer, Department of Pharmacology, Kathmandu Medical College.
- Education:** PhD in Pharmacology Initiating Consumers Pharmacovigilance in Nepal from Suresh Gyan Vihar University, Jaipur, Rajsthan, India in 2016. Masters in Pharmacy in Prospective Follow-up study on Cost Effective Analysis, Coronary and Contributory Risk factors in Type 2 Diabetes from Kathmandu University, Nepal in 2003. Bachelors in Pharmacy in Stability of Digestive Enzymes in Marketed Digestive Enzymes Preparations from Kathmandu University, Nepal in 2001.
- Awards:** Science and Technology Youth Award 2072 (2072 BS) by Nepal Academy of Science and Technology (NAST). Best Oral Presentation Award (2019) by Nepal Health Research Council (NHRC).
- Expertise:** Rational use of Medicines. Antimicrobial Resistance. Pharmacovigilance.
- Professional Affiliation:** Department of Clinical Pharmacology and Therapeutics, KIST Medical College, Imadol, Lalitpur.
- Correspondence:** **Mailing Address:** Department of Pharmacology, KIST Medical College, Imadol, Lalitpur, Nepal. **Phone number/Cell:** 9841602808. **E-mail:** nishajha32@gmail.com



**518. Nishu Karna (F; 1986; Dhanusa, Nepal)**

**Category:** Solar Physics.

**Current Affiliation:** Astrophysicist, Center for Astrophysics, Harvard and Smithsonian, Cambridge MA 02138, USA.

**Past Experiences:** Post-Doctorol Research Associate, George Mason University/NASA Goddard Space Flight Center.

**Education:** PhD in Computational Sciences and Informatics (Solar Physics)-A Comprehensive Study of Cavities on the Sun: Structure, Formation and Evolution from George Mason University, United States in 2016. MSc in Computational Sciences and Informatics (Solar Physics) from George Mason University, United States in 2012. BSc in Physics with Astrophysics Track from Saint Cloud State University, United States in 2010.

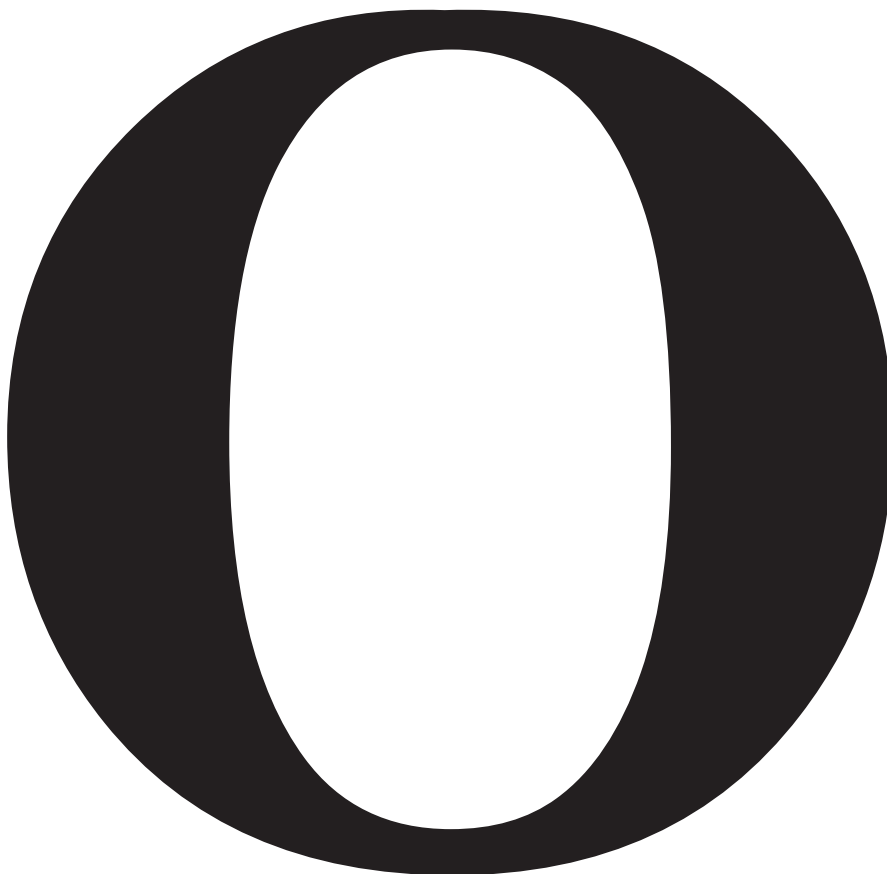
**Awards:** Schlumberger Foundation Faculty for the Future Fellowship (Awarded 4 Times) (2011-2014) by Schlumberger Foundation. Sigma Xi Outstanding Research Posters Awards in Mathematics, Physics and Astronomy. (2011) by Sigma Xi. Best Science and Engineering Student Internship Presentation (2010) by SESI, NASA/GSFC.

**Expertise:** Coronal Cavity. Prominence, Pseudostreamer, Coronal Holes. Magnetic Activity Cycles of the Sun. Coronal Modeling.

**Professional Affiliation:** Center for Astrophysics, Harvard and Smithsonian.

**Correspondence:** **Mailing Address:** 60 Garden St, Cambridge MA 02138, USA. **Phone number/Cell:** 012026158554. **E-mail:** nishu.karna@cfa.harvard.edu





### 519. Olita Shilpakar (F; 1982; Lalitpur, Nepal)

**Category:** Emergency Medicine.

**Current Affiliation:** Senior Consultant Emergency Physician, NAMS, Bir Hospital, Kathmandu.

**Past Experiences:** Registrar, Grande City Hospital, Kathmandu. Medical Officer, Patan Hospital. Clinical Research Fellow, Oxford University Clinical Research Unit Nepal, Patan Hospital.

**Education:** DM in Emergency Medicine-Serum Lactate Level as a Predictor of Mortality in Patients with Acute Upper Gastrointestinal Bleeding Presenting to The Emergency of a Tertiary Care Centre in Kathmandu, Nepal from Institute of Medicine, TU Teaching Hospital, Nepal in 2019. MD General Practice in Knowledge Attitude and Practice of Women Towards Cervical Cancer Screening at a Tertiary Care Institute in Kathmandu, Nepal from Institute of Medicine, TU Teaching Hospital, Nepal in 2015. MBBS from Institute of Medicine, TU Teaching Hospital, Nepal in 2006.

**Professional Affiliation:** Executive Board Member, Nepalese Society of Emergency Physicians (NSEP). Executive Member/Life Member, General Practitioners and Emergency Medicine Association of Nepal (GPEMAN). Life Member, Nepal Medical Association (NMA).

**Correspondence:** **Mailing Address:** 20 'Kha' Pulchowk, Lalitpur, Nepal. **Phone number/Cell:** 9841256959. **E-mail:** olitashilpakar@yahoo.com, olitashilpakar1@gmail.com



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### 520. Om Basukala (M; 1988; Bhaktapur, Nepal)

**Category:** Tumour Virology. Cell Biology. Infectious Diseases.

**Current Affiliation:** Arturo Falaschi Fellow, International Centre for Genetic Engineering and Biotechnology, ICGEB, Area Science Park, Padriciano 99.

**Past Experiences:** Arturo Falaschi Pre-Doctoral Fellow, International Centre for Genetic Engineering and Biotechnology. Assistant Research Fellow, Nepal Academy of Science and Technology. Research Assistantship, Nepal Academy of Science and Technology.

**Education:** PhD in The Role of HPV E7 in Maintenance of Cell Transformation from The Open University, United Kingdom in 2019. MSc in *In Vitro* Antileishmanial Activity of *Bombax ceiba* Linn. Flowers from Tribhuvan University, Nepal in 2013.

**Awards:** Premio Cinzia Vitale 2018 (2018) by Associazione Culturale Onlus? ASCB Travel Award (2018) by American Society for Cell Biology. The Arturo Falaschi PhD Fellowship (2015) by ICGEB.

**Expertise:** Tumour Virology. Cell Biology. Infectious Diseases.

**Professional Affiliation:** Graduate Student Member, American Society for Cell Biology. Global Outreach Member, American Society for Microbiology. Life Member, Biotechnology Society of Nepal.

**Correspondence:** **Mailing Address:** ICGEB, Area Science Park, Padriciano 99. **Phone number/Cell:** +393201824043. **E-mail:** ombasukala@gmail.com



**521. Om Murti Anil (M; 1978; Mahottari, Nepal)**

**Category:** Medicine. Cardiology.

**Current Affiliation:** Director, Cardiology Department, Grande International Hospital, Dhapasi, Kathmandu, Nepal.

**Past Experiences:** Assistant Professor of Cardiology, Manmohan Cardithoracic Vascular and Transplant Centre. DM Cardiology Resident, AIIMS. Teaching Assistant, Medicine Depart, TUTH, IOM.

**Education:** DM (Cardiology) in Heart Failure from AIIMS, New Delhi, India in 2011. MD Medicine in Metabolic Syndrome from IOM, TUTH, Nepal in 2007. MBBS from CMS, Bharatpur, Nepal in 2002.

**Awards:** Suprabal Jansewa Shree-Third (2019) by President of Nepal. Nepal Vidhya Bhusan Padak-First (2014) by President of Nepal. Best Research Paper Award (2019) by Nepal Health Research Council.

**Expertise:** Interventional Cardiology. Non Invasive Cardiology. Preventive Cardiology.

**Professional Affiliation:** Nepal Medical Council. Nepal Medical Association. SIMON.

**Correspondence:** **Mailing Address:** Grande Hospital, Dhapasi, Kathmandu, Nepal. **Phone number/Cell:** 9851134565. **E-mail:** drommurti@yahoo.com



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**522. Om Krishna Suwal (M; 1975; Bhaktapur, Nepal)**

**Category:** Physics.

**Current Affiliation:** Visiting Faculty of Physics, Kathmandu University, Kathmandu University, Kavrepalanchok, Nepal.

**Past Experiences:** Post Doctoral Researcher, Department of Physics, Seoul National University, Seoul, Korea. Post-Doctoral Researcher, Department of Physics, Yonsei University, Seoul, Korea. Post-Doctoral Researcher, Department of Physics and Nanoscience, Sun Moon University, Ashan, Korea.

**Education:** PhD in Nanoscience-Electrostatic Einzel Lens for E-Beam Microcolumn from Department of Physics and nanoscience, Sun Moon University, Ashan, Republic of Korea in 2013. MSc in Physics-Ophthalmic Laser for the Ocular Treatment from Central Department of Physics, Tribhuvan University, Nepal in 1998. BSc in Physics, Metrology, Mathematics from Tri-Chandra College, Tribhuvan University, Nepal in 1994.

**Expertise:** Nanooptics. Nanophotonics. E-beam Microcolumn. Micro, Nanofabrication.

**Professional Affiliation:** Nepal Physical Society, Kathmandu, Nepal. Korean Physical Society, Seoul, Korea.

**Correspondence:** **Mailing Address:** Department of Physics, Khwopa College, TU, Bhaktapur, Nepal. **Phone number/Cell:** 9861586500. **E-mail:** oksuwal@gmail.com



**523. Om Prakash Singh (M; 1965; Sarlahi, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Principal, Associate Professor, College of Natural Resource Management, Agriculture and Forestry University, Nepal, Department of Agricultural Extension and Rural Sociology, Faculty of Agriculture, Agriculture and Forestry University, Rampur, Chitwan, Nepal .



**Past Experiences:** District Engineer, Building Department, Government of Nepal. Programme Manager, UNDP Nepal. Assistant Professor, IAAS, Tribhuvan University, Nepal.

**Education:** PhD in Group Dynamics and Leadership Development from Sri Venkateshwara University (SVU) Gajraula, India in 2018. Master's in Business Administration in Human Resource (HR) from MDU Rohtak, Haryana, India in 2007. BTech in Civil Engineering from National Institute of Technology (NIT), Warangal, India in 1989.

**Awards:** TCS Colombo Plan (1984) by Embassy of India, Kathmandu.

**Expertise:** Rural Physical Infrastructure Development. Teaching and Training-Program Planning. Research in Above Fields.

**Professional Affiliation:** Asian Biological Research Foundation (ABRF), India. UNDP Nepal, UN House, Pulchowk, Lalitpur.

**Correspondence:** **Mailing Address:** Dr. Om Prakash Singh, Associate Professor, Department of Agricultural Extension, Faculty of Agriculture, Rampur Campus, Chitwan, Nepal. **Phone number/Cell:** 9845046746. **E-mail:** opsingh@afu.edu.np

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#### 524. Padam Raj Pant (M; 1962; Baitadi, Nepal)

**Category:** Obstetrics. Gynaecology.

**Current Affiliation:** Professor, Institute of Medicine, Tribhuvan University, Maharajgunj, Kathmandu, Nepal.

**Past Experiences:** Assistant Professor, Institute of Medicine, Tribhuvan University. Associate Professor, Institute of Medicine, Tribhuvan University.

**Education:** PhD in Obstetrics and Gynaecology (Infertility)- Comparison of Efficacy of Clomiphene Citrate and Tamixifen for Induction of Ovulation Among The Women with Anovulatory Infertility from Kyrgyz State University, Kyrgyzstan in 2008. MS in Obstetrics and Gynaecology from Punjab University, Pakistan in 1998. MD(MBBS) in General Medicine from Kiev Medical Institute, Ukraine in 1991.

**Awards:** Best Doctors Award (2005) by TU Teaching Hospital.

**Expertise:** Obstetrics. Gynaecology. Infertility. Urogynaecology.

**Professional Affiliation:** Institute of Medicine, Maharajgunj Medical Campus, Tribhuvan University. Grande International Hospital.

**Correspondence:** **Mailing Address:** Veenas Residency-18-C, Tokha-3, Kathmandu, Nepal. **Phone number/Cell:** 9851101629. **E-mail:** padam1629@gmail.com



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#### 525. Pankaj Baral (M; 1980; Sindhuli, Nepal)

**Category:** Immunology.

**Current Affiliation:** Research Fellow, Harvard Medical School, 77 Avenue Louis Pasteur, New Research Building Room 856, Boston, MA 02115.

**Past Experiences:** Post-Doctoral Researcher, Louisiana State University, LA. Graduate Research Assistant, Mahidol University, Thailand.

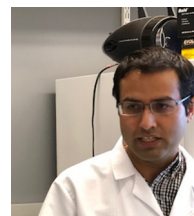
**Education:** PhD in Immuno Pathogenesis of IntraCellular Bacterial Pathogen from Mahidol University, Thailand in 2013. MSc in Medical Microbiology from Tribhuvan University, Nepal in 2008. BSc in Microbiology from Tri-Chandra College, Nepal in 2004.

**Awards:** Best Presentation Award (2015) by Louisiana State University. Best Thesis Publication Award (2013) by Mahidol University. Travel Award to Attend 2nd NIF School (2012) by Singapore Immunology Network and Immunology Frontier Research Center.

**Expertise:** Pulmonary Immunology. Neuroimmunology. Host-Pathogen Interaction.

**Professional Affiliation:** Department of Immunology, Harvard Medical School, MA. School of Veterinary Sciences, Louisiana State University, LA. Faculty of Science, Mahidol University.

**Correspondence:** **Mailing Address:** 6 Perkins Square, Apt7, Jamaica Plain, 02130 MA. **Phone number/Cell:** 6175990702. **E-mail:** pankaj.baral@gmail.com



## 526. Panna Thapa (M; 1965; Dolpa, Nepal)

- Category:** Pharmacy and Pharmaceutical Sciences. Biotechnology.
- Current Affiliation:** Professor and Controller of Examinations, Kathmandu University, Dhulikhel, Kavre, Nepal.
- Past Experiences:** Technical Manager, Vijayadeep Pharmaceutical Pvt Limited, Kathmandu. Professor and Dean, KU School of Science, Kathmandu University. Professor and Controller of Examinations, Kathmandu University.
- Education:** PhD in Studies on Nasal Drug Delivery Systems (Pharmacy and Pharmaceutical Sciences) from University of Strathclyde in Glasgow, United Kingdom in 2000. MPharm from University of Dhaka, Bangladesh in 1992. BPharm from University of Dhaka, Bangladesh in 1990.
- Awards:** Crown Prince Youth Science Award (2001) by NAST. International Research Development Award (2001) by Wellcome Trust, UK. Overseas Research Student Award for PhD Studies (1996-2000) by Universities UK and UK Government.
- Expertise:** Formulation and Drug Delivery (Pharmacy and Pharmaceutical Sciences). Pharmaceutical Technology. Biopharmaceutical Studies. Pharmacy Education. Higher Education Management.
- Professional Affiliation:** American Association of Pharmaceutical Scientist (AAPS). Controlled Release Society.
- Correspondence:** **Mailing Address:** 510, Link Marg, Kuleshwor, Kathmandu-14, Nepal. **Phone number/Cell:** 9841339325. **E-mail:** pannathapa@gmail.com



## 527. Parameshwari Kattel (M; 1971; Chitwan, Nepal)

- Category:** Applied and Computational Mathematics. Geophysics.
- Current Affiliation:** Associate Professor, Department of Mathematics, Tri-Chandra Multiple Campus, Tribhuvan University, Ghantaghar, Kathmandu, Nepal.
- Past Experiences:** Assistant Professor, Tri-Chandra Campus, Tribhuvan University. Assistant Professor, Prithvi Narayan Campus, Tribhuvan University. Teaching Assistant, Prithvi Narayan Campus, Tribhuvan University.
- Education:** PhD in Some Aspects of Multi-phase Debris Flows: Dynamics, Flow-Obstacle-Interactions and Model Construction from School of Science, Kathmandu University, Nepal in 2019. MSc in Pure and Applied Mathematics from Tribhuvan University, Nepal in 1996. BSc in Physics, Chemistry, Mathematics from Tribhuvan University, Nepal in 1994.
- Expertise:** Geophysical Mass Flow Modeling. Computational Mathematics. Pure and Applied Mathematics.
- Professional Affiliation:** Nepal Mathematical Society. Council for Mathematics Education.
- Correspondence:** **Mailing Address:** GPO Box 8490, Sundhara, Kathmandu, Nepal. **Phone number/Cell:** +9779851128809. **E-mail:** pkattel526@gmail.com



**528. Paras Nath Chaudhary (M; 1968; Kapilvastu, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Professor, Siddhanath Science Campus, Tribhuvan University, Bhimdatt-18, Kanchanpur, Nepal.

**Past Experiences:** Assistant Lecturer, Siddhanath Science Campus, Tribhuvan University, Mahendranagar, Kanchanpur. Reader, Siddhanath Science Campus, Tribhuvan University, Mahendranagar, Kanchanpur.

**Education:** PhD in Chemistry-Bio-Directed Isolation of Active Principles from Plants for Insecticidal Activity, Synthesis and Biosynthesis of Heterocycles with Potential Biological Activity from University of Lucknow, India in 2008. MSc in Organic Chemistry from Awadh University Faizabad, India in 1991. BSc in Physics, Chemistry and Mathematics from Awadh University Faizabad, India in 1989.

**Awards:** Rashtriya Shiksha Puraskar (2001) by Ministry of Education, Nepal. Nepal Vidhya Bhushan (2009) by President of Nepal. Deergha Sewa Padak (Long Service Medal) (2016) by Tribhuvan University.

**Expertise:** Phytochemistry. Biosynthesis. Organic Synthesis.

**Professional Affiliation:** Nepal Academy of Science and Technology (NAST), Nepal. Uttar Pradesh Association for Science and Technology Advancement (UPASTA), Lucknow, India. Indian Association of Chemistry Teachers, India.

**Correspondence:** **Mailing Address:** Siddhanath Science Campus, Mahendranagar, Kanchanpur, Nepal. **Phone number/Cell:** 9848745997. **E-mail:** pushparas@yahoo.com



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**529. Paras Nath Yadav (M; 1964; Siraha, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Professor, Tribhuvan University, Kathmandu, Nepal.

**Past Experiences:** Executive Director, Curriculum Development Centre, Tribhuvan University. Professor, Tribhuvan University, Kathmandu. Academician, Nepal Academy of Science and Technology.

**Education:** PhD in Synthesis and Characterization of Pd(II) Complexes of Thiosemicarbazones from University of Ioannina, Greece in 2002. MSc in Inorganic Chemistry from Tribhuvan University, Nepal in 1989. BSc in Biology from Tribhuvan University, Nepal in 1987.

**Awards:** Tetrahedron Letters Most Cited Paper Award (2007) by Elsevier Ltd, Oxford, UK. National Education Award (2009) by Ministry of Education, Nepal. Research Peace Awards (2019) by RULA AWARDS and IJRULA.

**Expertise:** Synthetic Chemistry. Coordination Chemistry. Bioinorganic Chemistry.

**Professional Affiliation:** Tribhuvan University, Nepal. Nepal Academy of Science and Technology, Nepal.

**Correspondence:** **Mailing Address:** Siraha-22, Nepal. **Phone number/Cell:** 9851254352. **E-mail:** pnyadav219@gmail.com



**530. Parashu Ram Poudel (M; 1965; Kaski, Nepal)**

**Category:** Physics.

**Current Affiliation:** Associate Professor, Prithvi Narayan Campus, Pokhara.

**Past Experiences:** Head, Department of Physics, Prithvi Narayan Campus.

**Education:** Theoretical Physics from Tribhuvan University, Nepal in 2000. MSc in Physics from Tribhuvan University, Nepal in 1992. BSc in Physics, Math, Chemistry from Tribhuvan University, Nepal in 1988.

**Awards:** Best Lecturer Award (2019) by Prithvi Narayan Campus.

**Correspondence:** **Mailing Address:** Pokhara-30, Ram Bazar. **Phone number/Cell:** 061536263, 9856041453. **E-mail:** poudelparashuram@gmail.com

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**531. Paritosh Giri (M; 1986; Kathmandu, Nepal)**

**Category:** Sensor Technology.

**Past Experiences:** Research Associate, Western Sydney University. Research Assistant, Chonbuk National University.

**Education:** PhD in Infrastructure Engineering from Western Sydney University, Australia in 2018. ME in Aerospace Engineering from Chonbuk National University, Republic of Korea in 2013. BE in Electronics and Communication Engineering from Purbanchal University, Nepal in 2010.

**Awards:** IEEE Graduate Fellowship Award (2016) by IEEE Instrumentation and Measurement Society. Postgraduate Research Award (2014) by Western Sydney University. IEEE Student Travel Award (2017) by IEEE.

**Expertise:** Structural Health Monitoring. Sensor Technology. Wireless Sensor Networks.

**Professional Affiliation:** Engineer's Australia. IEEE.

**Correspondence:** **Mailing Address:** 41 Rosemount Court, Blackrock, Dublin, Ireland. **Phone number/Cell:** 0851804130. **E-mail:** paritoshgiri@gmail.com

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**532. Pashupati Chaudhary (M; 1971; Chitwan, Nepal)**

**Category:** Environmental Science.

**Current Affiliation:** Convention on Biological Diversity Specialist, International Center for Integrated Mountain Development (ICIMOD), Khumaltar, Lalitpur.

**Past Experiences:** Deputy Team Leader/Climate Change Adaptation Specialist, Food and Agriculture Organization (FAO). Director of Program Development, Local Initiatives for Biodiversity, Research and Development (LI-BIRD). Director of Program Operations, Local Initiatives for Biodiversity, Research and Development (LI-BIRD).

**Education:** PhD in Transboundary Conservation in Kangchenjunga Landscape in the Eastern Himalayas from University of Massachusetts Boston, United States in 2011. MSc in Ecological Restoration Approach to Biodiversity Conservation, Human Economy and Health: A Case of SeedTree from Brandeis University, United States in 2004. BSc in Agriculture from IAAS, Tribhuvan University, Nepal in 1994.

**Awards:** Committee for Research and Exploration (PhD Thesis Award) (2008-2009) by National Geographic Society. Masters Thesis Award (2003-2004) by Debley Foundation and Environmental Data Research Foundation.

**Expertise:** Climate Change. Biodiversity Conservation. Agriculture and Food Security.

**Professional Affiliation:** Local Initiatives for Biodiversity, Research and Development. Agriculture and Forestry University. SAHAS-Group of Helping Hands.

**Correspondence:** **Mailing Address:** PO Box 3226, ICIMOD, Khumaltar, Nepal. **Phone number/Cell:** 9817228956. **E-mail:** pashupatic@hotmail.com, pashupati.nature@gmail.com



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**533. Pawan Kumar Karn (M; 1963; Morang, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Associate Professor, Mahendra Morang Campus, Biratnagar, Nepal.

**Past Experiences:** Assistant Lecturer, MMAM Campus, Biratnagar. Lecturer, MMAM Campus, Biratnagar. Associate Professor: MMAC Campus.

**Education:** PhD in On Number Concepts and Ultra Number System with their Application from Patna University, India in 2016. MSc in Mathematics from LNMU Dharbhanga, India in 1986. BSc in Mathematics Honours from LNMU Dharbhanga, India in 1983.

**Awards:** Letter of Appreciation for Astounding Performance in Mathematics (2016) by Kanchenjunga College. Appreciation for Service in Mathematics (2010) by MMAM Campus.

**Expertise:** Functional Analysis. Real Analysis. Calculus.

**Professional Affiliation:** MMAM Campus Biratnagar. PUSET Campus, Biratnagar.

**Correspondence:** **Mailing Address:** Pawan Kumar Karn, Biratnagar-12, Near Mahendra Morang Campus, Nepal. **Phone number/Cell:** 9842356307. **E-mail:** Infopawankarn@gmail.com



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**534. Pawan Kumar Shrestha (M; 1971; Lalitpur, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Chairman, Hydro Tunnelling and Research Pvt Ltd, Kalikasthan, Kathmandu.

**Past Experiences:** Technical Advisor, Sahas Urja Pvt Ltd, Solu Khola (Dudhkoshi) Hydroelectric Project, Nepal. Consultant Geotechnical Engineer, Technical Support Group, NEA Engineering Company Ltd, Kimathanka Arun Hydroelectric Project. Consultant Geotechnical Engineer, Melamchi Diversion Scheme, Melamchi Water Supply Project, Nepal.

**Education:** PhD in Stability of Tunnels Subject to Plastic Deformation from Norwegian University of Science and Technology, Trondheim, Norway in 2010-2014. MSc in Hydropower Development from Norwegian University of Science and Technology, Trondheim, Norway in 2002-2004. BSc in Civil Engineering from Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal in 1992-1996.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2016) by President of Nepal.

**Expertise:** Planning and Design of Hydropower Scheme. Design of Underground Structures.

**Professional Affiliation:** Nepal Tunnelling Association. Nepal Society for Rock Mechanics. Nepal Engineering Association.

**Correspondence:** **Mailing Address:** EPC 2933, GPO 8975, Kathmandu, Nepal. **Phone number/Cell:** 9851172508. **E-mail:** pawan304@gmail.com



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**535. Pawan Kumar Shrestha (M; 1981; Pyuthan, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Research Associate, University of Cambridge, Cambridge, UK.

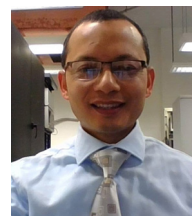
**Past Experiences:** Research Associate, University of Cambridge, UK.

**Education:** PhD in Electronics Engineering from University of Cambridge, United Kingdom in 2016. MSc in Electronics Engineering from University of Waikato, New Zealand in 2010. BE in Electronics Engineering from Pulchowk Campus, IOE, TU, Nepal in 2003.

**Awards:** CAPE Acorn Blue Sky Research Award (2019) by University of Cambridge, UK. IET Postgraduate Scholarship (2015) by Institution of Engineering and Technology, UK. Queen Elizabeth II Technicians' Study Award (2011) by Ministry of Education, New Zealand.

**Expertise:** Photonics Device Fabrication. Augmented Reality. Holography.

**Correspondence:** **Mailing Address:** 132 Wileman Way, Cambridge CB3 1AR, UK. **Phone number/Cell:** 07593794674. **E-mail:** pawankumarshrestha@hotmail.com



**536. Prabal Poudel (M; 1993; Chitwan, Nepal)**

**Category:** Medical Imaging.

**Current Affiliation:** Scientist, Philips, Röntgenstraße 24-26, 22529, Hamburg, Germany.

**Past Experiences:** Visiting Researcher, General Electric Healthcare, Milwaukee, USA. Graduate Teaching Assistant, University of Bonn, Germany. Research Assistant, Fraunhofer MEVIS.

**Education:** PhD in Thyroid Texture Classification using Machine Learning in Conjunction with Autoregressive Modelling and Deep Learning from Otto-von-Guericke University Magdeburg, Germany in 2020. MSc in 3D Segmentation of Thyroid Ultrasound Images using Active Contours from University of Bonn, Germany in 2016. BSc in Uncertainty in Electromagnetic Tracking: Estimation, Visualization and Correction from Jacobs University Bremen, Germany in 2014.

**Awards:** NASUS (2018) by Brainlab GmbH, Munich, Germany. NVIDIA GPU Grant Program (2018) by NVIDIA Corporation. PhD Scholarship (2017) by Chair of Intelligent Catheter and Technologies (INKA) and General Electric Healthcare.

**Expertise:** Medical Image Processing. Computer Vision. Software Development.

**Professional Affiliation:** Philips GmbH Innovative Technologies, Hamburg, Germany. General Electric Healthcare, Milwaukee, USA. Otto-von-Guericke University, Magdeburg, Germany.

**Correspondence:** **Mailing Address:** Wehmerweg 1a, 22529, Hamburg, Germany. **Phone number/Cell:** +4915901143934. **E-mail:** prabal0117@gmail.com



**537. Prabodh Risal (M; 1977; Lalitpur, Nepal)**

- Category:** Medical Laboratory. Medical Biochemistry.
- Current Affiliation:** Associate Professor, Kathmandu University, School of Medical Sciences, Kathmandu University, School of Medical Sciences, Dhulikhel, Kavre.
- Past Experiences:** Researcher, Chonbuk National University, South Korea.
- Education:** PhD in Stem Cell-Involvement of Prolyl Isomerase PIN1 in the Cell Cycle Progression and Proliferation of Hepatic Oval Cells from Chonbuk National University, Republic of Korea in 2012. MSc in Medical Biochemistry-Risk of Cardiovascular and Renal Complication Among the Patients with Type 2 Diabetes Mellitus from College of Medical Sciences, Kathmandu University, Bharatpur, Nepal in 2005. BSc in Medical Laboratory Technology in Microbiology/Biochemistry/Hematology/Histo and Cyto Technology from Chaudhary Charan Singh University, India in 2001.
- Awards:** Nepal Vidhya Bhusan 'Ka' (2012) by Ministry of Education. Young Scientist Award (2012) by Nepal Academy of Science and Technology. Young Scientist Award (2012) by Chonbuk National University.
- Expertise:** Laboratory Medicine. Medical Biochemistry. Hepatic Stem Cell Culture and Transplant.
- Professional Affiliation:** Vice President, Nepalese Association for Clinical Chemistry (NACC). Korean University Alumni Association Nepal (KUAAN). Nepal Association of Medical Laboratory Science.
- Correspondence:** **Mailing Address:** Dr. Prabodh Risal, Dhulikhel Hospital, Kathmandu University Hospital, Dhulikhel, Kavre, Nepal. **Phone number/Cell:** 011-490497/9851148513. **E-mail:** prabodh07@hotmail.com



**538. Prachand Man Pradhan (M; 1966; Kathmandu, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Associate Professor and Head, Department of Civil Engineering, Kathmandu University, Dhulikhel, Nepal.

**Past Experiences:** Civil Engineer, Integrated Consultants Nepal Pvt Ltd (ICON). Lecturer and Head, Department of Civil Engineering, Khwopa Engineering College. Associate Professor and Head, Department of Civil Engineering, Kathmandu University.

**Education:** PhD in Civil Engineering-Composite Action of Partial Infill Wall in Reinforced Concrete Frame Under Lateral Load from Kathmandu University, Nepal in 2014. MSc in Structural Engineering-Contributions of Floor Slabs in Reinforced Concrete Frame Structures from Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal in 2000. BE in Civil Engineering Projects on: 1. Structural Design and Foundation Engineering 2. Environmental Engineering 3. Irrigation Structures 4. Transportation Engineering from Punjab Engineering College, Panjab University, India in 1991.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2015) by President of Nepal. Technical Cooperation Scheme of the Colombo Plan Scholarship (1987-88) by Government of India.

**Expertise:** Earthquake Engineering. Earthquake Resistant Design of Structures and Retrofitting of Buildings and Structures. Masonry Structures. Seismic Hazard Analysis. Design of Earthquake Resistant Structures and Teaching Structural Engineering Subjects. Researches in Structural Engineering. Reviewing and Editing of International Journals.

**Professional Affiliation:** Department of Civil Engineering, School of Engineering, Kathmandu University, Dhulikhel, Kavre, Nepal.

**Correspondence:** **Mailing Address:** PO Box 6250, Kathmandu University, Department of Civil Engineering, Dhulikhel, Kavre, Nepal. **Phone number/Cell:** 9851049174. **E-mail:** prachand@ku.edu.np, prachand.pradhan@gmail.com



**539. Pradeep Adhikari (M; 1985; Kaski, Nepal)**

**Category:** Zoology. Ecology.

**Current Affiliation:** Research Specialist, National Institute of Ecology, Republic of Korea.

**Past Experiences:** Researcher, Jeju National University, Republic of Korea. Secondary School Science Teacher, Golden Rays Academic Foundation, Kathmandu, Nepal. Secondary School Science Teacher, Little Flower English Boarding School, Syangja, Nepal.

**Education:** PhD in Taxonomy Study of Muridae and phylogenetic relationship of *Mus* and *Rattus* in Nepal inferred to Mitochondrial DNA Cytochrome B (CytB) gene from Jeju National University, Republic of Korea in 2017. MSc in Estimating the Density of Prey Species of Tiger (*Panthera tigris tigris*) in Shuklaphanta Wildlife Reserve, Nepal from Tribhuvan University, Nepal in 2013. BSc in Biology from Prithvi Narayan Campus, Pokhara, Nepal in 2009.

**Awards:** Nepal Vidhya Bhusan 'Ka'(2019) by President of Nepal, Government of Nepal. Best Graduate Student (2016) by Jeju National University, Republic of Korea. Tiger Reserarch Grant (2012) by National Trust for Nature Conservation, Nepal.

**Expertise:** Molecular Ecology. Climate Change and Ecological Modeling. GIS.

**Professional Affiliation:** National Institute of Ecology, Republic of Korea.

**Correspondence:** **Mailing Address:** 1210, Geumgang-ro, Maseo-Myeon, Seocheon-gun, 325-813, Republic of Korea. **Phone number/Cell:** +821064616613. **E-mail:** pdp2042@gmail.com



**540. Pradeep Raj Rokaya (M; 1972; Bajura, Nepal)**

**Category:** Agriculture.

**Current Affiliation:** Assistant Professor, Agriculture and Forestry University.

**Past Experiences:** Assistant Professor, Agriculture and Forestry University. Assistant Professor, Purbanchal Univeristy. Program Manager, HELVETAS Swiss Intercooperation.

**Education:** PhD in Effect of Altitude and Various Pre and Postharvest Factors in Fruit Quality and Postharvest Shelf-life of Mandarin (*Citrus reticulata* Blanco.) from Agriculture and Forestry University, Nepal in 2017. MSc in Study on Performance of Open Pollinated Varieties of Cabbage (*Brassica oleracea* Var. *capitata* L.) from HNB Gharwal University, India in 2011. BSc in Livestock Technologies for Sustainable Livelihoods in Agro-Ecosystems-A Case Study Parasnagar of Chitwan, Chapagaun of Lalitpur and Ghiling of Upper Mustang from Purbanchal University, Nepal in 2004.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2018) by Government of Nepal.

**Expertise:** Teaching. Research and Extension. Agriculture Curricula Development. Training. Value Chain Approach. Agriculture. Food Security and Livelihood Program. Disaster Risk Reduction. Project Development.

**Professional Affiliation:** Life Member, Nepal PhD Association. Life Member, Nepal Horticulture Society.

**Correspondence:** **Mailing Address:** Pandusain-8, Bajura, Nepal. **Phone number/Cell:** 9848437941. **E-mail:** rokayapradeep@yahoo.com



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**541. Pradeep Sapkota Upadhyaya (M; 1978; Kavrepalanchok, Nepal)**

**Category:** Geoinformatics.

**Current Affiliation:** Instrcutor, Research Unit Head, Land Management Training Centre, Dhulikhel, Kavre, Nepal.

**Past Experiences:** Survey Officer, Department of Survey, Nepal. Visiting Faculty, Kathmandu University, Department of Geomatics Engineering, Dhulikhel, Nepal. Visiting Faculty, Nepal Banepa Polytechnic Institute, Banepa, Nepal.

**Education:** PhD in Geoinformatics from Singhanian University, Rajasthan, India in 2017. MSc in Geoinformation Science & Earth Observation from University of Twente, ITC Faculty, Netherlands in 2013. BSc in Physics, Mathematics & Statistics from Amrit Campus, TU, Nepal in 2006.

**Awards:** Netherlands Fellowship Award (2011) by Dutch Government. Singhanian University Grant (2013) by Singhanian University. Best Staff Award (2018) by Nepal Government, LMTC, Nepal.

**Expertise:** Surveying and Mapping. Teaching. Research & Project Handling.

**Professional Affiliation:** Netherlands Student Alumni, The Netherlands. Nepal Surveyors Association, Kathmandu, Nepal. Surveyors Society of Kavre, Banepa, Nepal.

**Correspondence:** **Mailing Address:** Banepa-5, Ghogechaur, Kavre, Nepal. **Phone number/Cell:** 9841242000. **E-mail:** pradeepsapkota@gmail.com



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**542. Pradhumna Mahat Chhetri (M; 1980; Nuwakot, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Teacher, Amrit Campus, Leknath Marg, Kathmandu 44600.

**Past Experiences:** Coordinator-Lecturer, Gramin Adarsha Multiple Campus. Coordinator, Ashirwad College. Teacher, Amrit Campus.

**Education:** PhD in Crystallography, Coordination Chemistry from Chung Yuan Christian University, Taiwan in 2018. MSc in Inorganic Chemistry from Central Department of Chemistry, Tribhuvan University, Nepal in 2003. BSc in Chemistry from Tribhuvan University, Nepal in 2001.

**Awards:** Nepal Vidhya Bhusan (2019) by President of Nepal.

**Expertise:** Crystallography. Coordination Chemistry. Material Science.

**Professional Affiliation:** Amrit Campus, Tribhuvan University, Kathmandu, Nepal. Kathmandu Model College, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** House No. 300/34 kha, Mephi Jana Marg, Kathmandu-16, Nepal. **Phone number/Cell:** 9841361231. **E-mail:** mahatp@gmail.com



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**543. Pradip Gyawali (M; 1976; Nawalparasi, Nepal)**

**Category:** Molecular Microbiology.

**Current Affiliation:** Research Scientist, Institute of Environmental Science and Research Ltd (ESR), 34 Kenepuru Drive.

**Past Experiences:** Experimental Scientist, Commonwealth Scientific and Industry Research Organisation (CSIRO). PhD Scholar, Commonwealth Scientific and Industry Research Organisation (CSIRO). Teaching Assistant, The University of Queensland.

**Education:** PhD in Molecular Microbiology from The University of Queensland, Australia in 2016. MSc in Environmental Conservation and Biodiversity Management from Flinders University, Australia in 2011. BSc in Biology Science from Tribhuvan University, Nepal in 2003.

**Awards:** Early Career Researcher Travel Award (2019) by Maurice and Phyllis Paykel Trust, New Zealand. Science Strategic Investment Award for Seafood Safety (2018) by Ministry of Business Innovation and Employment, New Zealand. Pioneer One Research Award (2017) by Institute of Environmental Science and Research, New Zealand.

**Expertise:** Health Related Water and Food Microbiology. Molecular Biology. Microbial Source Tracking for Pollution Control. Quantitative Microbial Risk Assessment.

**Professional Affiliation:** World Society for Virology. New Zealand Food Safety Science and Research Centre. Visiting Scientist, Commonwealth Scientific and Industry Research Organisation (CSIRO), Australia.

**Correspondence:** **Mailing Address:** 1/21 collins Avenue, Wellington, New Zealand. **Phone number/Cell:** +64211480895. **E-mail:** pradep033@yahoo.com



**544. Pradyumna Raj Pandey (M; 1969; Kathmandu, Nepal)**

**Category:** Agricultural Economics.

**Current Affiliation:** Senior Agricultural Economist (Senior Agricultural Officer), Ministry of Agriculture and Livestock Development, Singha Durbar, Kathmandu, Nepal.

**Past Experiences:** Senior Program Specialist (Crops), SAARC Agriculture Centre (SAC) Bangladesh. Senior Agricultural Economist (Senior Agricultural Officer), Ministry of Agriculture and Livestock Development. Senior Agricultural Economist, Ministry of Agricultural Development .

**Education:** PhD in Sustainable Development Challenges of a Diverse and Vulnerable Rice Industry in Nepal from Tokyo University of Agriculture and Technology, Tokyo, Japan in 2010. MSc in Analysis of Production Trends in Major Food and Vegetable Crops in Nepal from Graduate School of Agriculture, Ibaraki University, Japan in 2007. BSc in Agricultural Economics from Institute of Agriculture and Animal Science (IAAS), Chitwan, Nepal in 1992.

**Awards:** Nepal Vidhya Bhusan ‘Ka’ (2013) by Ministry of Education, Government of Nepal. Japan International Cooperation Agency (JICA) Scholarship (2004) by Japan International Cooperation Agency (JICA). Scholarship During the Bachelor Level Study (1992) by Institute of Agriculture and Animal Science (IAAS), Chitwan.

**Expertise:** Senior Program Specialist (Crops). Senior Agricultural Economist. Adjunct Professor.

**Professional Affiliation:** Adjunct Professor-Department of Social Sciences and Agri-Economics Himalayan College of Agricultural Sciences and Technology (HICAST), Eastern University, Kathmandu, Nepal. Senior Program Specialist (Crops), SAARC Agriculture Centre, Dhaka, Bangladesh. Senior Agricultural Economist, International Trade Promotion Section, Agri-Business Promotion and Statistics Division Ministry of Agricultural Development.

**Correspondence:** **Mailing Address:** Budhanilkantha-7, Kathmandu, Nepal. **Phone number/Cell:** 014379305. **E-mail:** pandeypr4@gmail.com



**545. Prakash Ghimire (M; 1970; Kathmandu, Nepal)**

**Category:** Microbiology. Immunology. Vaccinology. Public Health.

**Current Affiliation:** Professor, Tribhuvan University, Central Department of Microbiology, Kirtipur.

**Past Experiences:** Associate Professor Microbiology, Tribhuvan University. Chair- Ethical Review Board, Nepal Health Research Council. Medical Officer/Technical Officer/ National Professional Officer, WHO HQ, WHO-SEARO, WHO-Nepal.

**Education:** PhD in Microbiology from All India Institute of Medical Sciences, India in 2001. MSc in Microbiology from Central Department of Microbiology, Tribhuvan University, Nepal in 1994. BSc in Microbiology from Tri-Chandra College, Tribhuvan University, Nepal in 1992.

**Awards:** Crown Prince Science & Technology Award (2002) by RONAST. Young Scientist Award (2003) by NHRC. Distinguished Service Award, ASM Ambassador to Nepal (2010, 2012-2017) by American Society for Microbiology, USA.

**Expertise:** Clinical Microbiology & Infectious Diseases. Vaccinology. Public Health.

**Professional Affiliation:** Central Department of Microbiology, Tribhuvan University, Kirtipur, Kathmandu. Nepal Health Research Council, MOHP. WHO-Nepal, Epidemiology & Disease Control Division/MOHP.

**Correspondence:** **Mailing Address:** Basuki Marg, Old Baneswor, Kathmandu, Nepal. **Phone number/Cell:** 9851066710. **E-mail:** prakashghimire@gmail.com



**546. Prakash Man Basnyat (M; 1970; Kavrepalanchok, Nepal)**

**Category:** Physics.

**Current Affiliation:** Researcher, National Renewable Energy Laboratory, 15013 Denver West Parkway, Golden, CO 80401.

**Past Experiences:** Post-Doctoral Researcher, National Renewable Energy Laboratory. Post-Doctoral Research Fellow, New Jersey Institute of Technology. Research Assistant, National Renewable Energy Laboratory.

**Education:** PhD in Applied Physics-Investigations into B-O defect formation-dissociation in CZ-Silicon and their Effect on Solar Cell Performance from Rutgers/New Jersey Institute of Technology, United States in 2013. MSc in Physics-Development of Biocompatible and Self-lubricating Nanocomposite films from Southern Illinois University Carbondale, United States in 2006. BSc in Physical Group from Tribhuvan University, Nepal in 1992.

**Awards:** Teaching Assistantship (2004) by Southern Illinois University Carbondale. Teaching Assistantship (2009) by New Jersey Institute of Technology. Research Assistantship (2010) by National Renewable Energy Laboratory.

**Expertise:** Characterization of Mono/Multi-Crystalline Silicon Solar Cells and Silicon Wafers. Measurement of Minority Carrier Lifetime of PV Wafers. Scanning Electron Microscope. Transmission Electron Microscope. X-Ray Diffraction. X-Ray Photoelectron Spectroscopy. Auger Electron Spectroscopy.

**Professional Affiliation:** American Physical Society, MD 20740. Society of Tribologists and Lubrication Engineers, IL 60068.

**Correspondence:** **Mailing Address:** 1975 Oak St. Lakewood, CO 80215, USA. **Phone number/Cell:** 6182032023. **E-mail:** pmbasnyat@gmail.com



**547. Prakash Nepal (M; 1962; Kapilvastu, Nepal)**

**Category:** Information Technology and Technology Management.  
**Current Affiliation:** US Federal Government, Department of Treasury, 6001 Arlington Blvd, 621.  
**Past Experiences:** IT Specialist, Department of Treasury. IT Analyst, Northrup Grumman. IT Specialist, US Department of Patent.  
**Education:** DSc in Information Technology from George Mason University, United States in 2000.  
**Awards:** ExCellency Award (2013) by Northrup Grumman. Many others (2015) by Many organizations.  
**Expertise:** Information Technology and Management.  
**Correspondence:** **Mailing Address:** 6001 Arlington Blvd, 621. **Phone number/Cell:** 7038644141. **E-mail:** prakashnepal7@yahoo.com



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**548. Prakash Chandra Adhikari (M; 1956; Morang, Nepal)**

**Category:** Climate Change.  
**Current Affiliation:** Professor, Tribhuvan University, Kirtipur, Kathmandu.  
**Past Experiences:** Professor, Tribhuvan University, Kirtipur, Kathmandu.  
**Education:** PhD in Paleoclimatetic Chages in Nepali Himalays from Free University of Brussels, Belgium in 1992. MSc in Exploration Geology from Patricelumba University, Russian Federation in 1979. BSc in Climate Change from Mosco, Russia in 1970.  
**Professional Affiliation:** Tribhuvan University, Kirtipur.  
**Correspondence:** **Mailing Address:** Budhanilkantha, Kathmandu, Nepal. **Phone number/Cell:** 9841525278. **E-mail:** apcnepal2010@gmail.com



**549. Prakriti Sharma Ghimire (F; 1985; Bardiya, Nepal)**

- Category:** Molecular Biology. Biochemistry. Microbiology. Environment Microbiology.
- Current Affiliation:** Post-Doc Fellow, Northwest Institute of Eco-Environment and Resources, University of Chinese Academy of Sciences, Lanzhou 730000.
- Past Experiences:** PhD Institute of Microbiology, University of Chinese Academy of Sciences, Beijing, China. Research Member, Himalayan Environment Research Institute, Boudha, Nepal.
- Education:** PhD in Molecular Biology and Biochemistry-Synergistic action of Glycosidases in *Aspergillus fumigatus* and its Application from Institute of Microbiology, University of Chinese Academy of Sciences, Beijing, China, China in 2017. MSc in Molecular Biology and Biotechnology-Enzymatic Study of UDP-D-Glucose Dehydrogenase (KanC) and NDP-Sugar Aminotransferase (KanD) from Kathmandu University, Dhulikhel, Nepal, Nepal in 2012. BSc in Biochemistry-Study of Microalbuminuria in Diabetic Patients from Purbanchal University, Nepal in 2008.
- Awards:** Nepal Vidhya Bhusan 'Ka' (2019) by President of Government of Nepal. CAS President's International Fellowship Initiative (PIFI) (2018) by Education Department of CAS, China. China Scholarship Council (CSC) Fellowship (2013) by Government of People's Republic of China.
- Expertise:** Biochemistry and Molecular Biology Techniques. Fungal Genetics and Microbial Physiology. Environmental Microbial Sample Collection and Analysis.
- Professional Affiliation:** Institute of Microbiology, Chinese Academy of Sciences, Chaoyang District, Beijing 100101, China. Northwest Institute of Eco-Environment and Resources and CAS Center for Excellence in Tibetan Plateau Earth Sciences and University of Chinese Academy of Sciences (UCAS), Lanzhou 730000.
- Correspondence:** **Mailing Address:** Prakriti Sharma Ghimire, Boudha, Kathmandu, Nepal. **Phone number/Cell:** 9851092633/9869224550. **E-mail:** echo\_prakriti@hotmail.com, sharprakriti@gmail.com



**550. Pramod Kumar Jha (M; 1953; Mahottari, Nepal)**

**Category:** Botany.

**Current Affiliation:** Professor Emeritus, Tribhuvan University, Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Professor, Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu, Nepal. Visiting Professor, University of Massachusetts, Amherst, USA. Visiting Scientist, Volacni Research Center, Bet Dagan, Israel.

**Education:** PhD in Botany-Ecophysiological Study of Some Weeds of Indian Arid Zone from University of Jodhpur, India in 1982. MSc in Botany from Kanpur University, India in 1975. BSc in Botany, Zoology, Chemistry from University of Jodhpur, India in 1973.

**Awards:** TWAS Young Scientist Award (1988) by Third World Academy of Science through Royal Nepal Academy of Science and Technology. Suprabal Gorkha Dakshin Bahu (1998) by His Majesty Government of Nepal. Rastriya Vanasapati Puraskar (National Plant Resource Award) (2017) by Ministry of Forest and Soil Conservation, Nepal.

**Expertise:** Plant Ecology (Medicinal Plants, Weeds, Agro-Ecology). Plant Biodiversity and Conservation. Climate Change.

**Professional Affiliation:** Academician, Nepal Academy of Science and Technology, Lalitpur, Nepal. Life Member, Botanical Society of Nepal. Founder, Life Member, Ex-President, Ecological Society, Nepal.

**Correspondence:** **Mailing Address:** Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 014331322 (Office)/014330829(Resident)/9851105646. **E-mail:** pkjhaprof@gmail.com



**551. Pramod Kumar Kushwaha (M; 1963; Parsa, Nepal)**

**Category:** Zoology. Wildlife Ecology. Birds.  
**Current Affiliation:** Campus Chief, Thakur Ram Multiple Campus, Birgunj.  
**Education:** PhD in Wildlife Ecology-Birds from Lucknow University, Lucknow, India in 2008. MSc in Zoology (Limnology)-Phytoplankton in Relation to Physio-Chemical Parameters from Central Department of Zoology, Tribhuvan University, Nepal in 1991. BSc in Zoology, Botany, Chemistry from Bihar University, India in 1986.  
**Awards:** Gold Medal 'Ka' (2012) by Nepal Government. Deerga Sewa Padak (Long Service Medal) (2019) by Tribhuvan University Administration.  
**Expertise:** Wildlife Biology. Birds. Limnology.  
**Professional Affiliation:** Life Member, Nepal Red Cross Society, Birgunj. Former President, Lions Club Professional, Birgunj. Lifetime Member, EVAM, Botanical Society of Lucknow, India.  
**Correspondence:** **Mailing Address:** Associate Professor, Dr. Pramod Kumar Kushwaha, Thakur Ram Multiple Campus, Adarshanagar, Birgunj. **Phone number/Cell:** 9855041069. **E-mail:** pramodkushwahatrm1@gmail.com



**552. Pramod Kumar Yadav (M; 1971; Bara, Nepal)**

**Category:** Chemistry.  
**Current Affiliation:** Reader, Thakur Ram Multiple Campus, Birgunj, Parsa, Nepal.  
**Education:** PhD in Chemistry from Banaras Hindu University, India in 2015. MSc in Organic Chemistry from TU, Nepal in 1996. BSc from TU, Nepal in 1993.  
**Awards:** Nepal Vidhya Bhusan 'Ka' (2016) by President of Nepal.  
**Expertise:** Design of Azo-Based Architectures. Crystal Grow. Single Crystal Analysis.  
**Professional Affiliation:** Life Time Member, Nepal Chemical Society.  
**Correspondence:** **Mailing Address:** Department of Chemistry, Thakur Ram Multiple Campus, Birgunj, Parsa, Nepal. **Phone number/Cell:** 9845035615. **E-mail:** pramod\_yadav1155@yahoo.com



**553. Pramod Poudel (M; 1979; Tanahu, Nepal)**

**Category:** Microbial Biotechnology.

**Current Affiliation:** Research Director, University Grants Commission, Research Division, Sanothimi, Bhaktapur.

**Past Experiences:** Head of Department, Department of Microbiology, National College (NIST), Affiliated to Tribhuvan University. Post-Doctoral Fellow, Kyushu University, Japan. Lecturer, Department of Microbiology, National College (NIST), Affiliated to Tribhuvan University.

**Education:** PhD in Bioscience and Biotechnology-Microbial production of L-lactic Acid from food Waste Ctic Acid Production from Kyushu University, Japan in 2015. MSc in Probiotic Soy-Yogurt Producion from Isolated Lactic Acid Bacteria from Tribhuvan University, Nepal in 2006. BSc in Microbiology from Tribhuvan University, Nepal in 2003.

**Awards:** Young Scientist Award (2017) by NAST, Nepal. TWAS, Individual Research Award (2018) by Trieste, Italy. Kurita Research Award (2019) by Kurita Water and Environment Foundation, Japan.

**Expertise:** Microbial Fermentation. Biofertilizers. Microbial Genetics.

**Professional Affiliation:** Part-Time Faculty, Department of Biotechnology, Tribhuvan University. Expert Member of Biotechnology, Ministry of Education, Science and Technology, Nepal. Society for Applied Microbiology (SfAM), UK.

**Correspondence:** **Mailing Address:** Research Division, University Grants Commission (UGC), Nepal Sanothimi, Bhaktapur. PO Box 10796, Kathmandu, Nepal. **Phone number/Cell:** 9843810230. **E-mail:** poudel.pm@gmail.com



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**554. Pramod Sharma (M; 1981; Sunsari, Nepal)**

**Category:** Clinical Physiology.

**Current Affiliation:** Senior Research Fellow, Griffith University, Australia.

**Past Experiences:** Research Fellow, Griffith University. Research Officer, The Prince Charles Hospital. Sessional Tutor, Griffith University.

**Education:** PhD in Respiratory Physiology from Griffith University, Australia in 2015. MSc in Human Physiology from BPKIHS, Nepal in 2008. BSc in Microbiology from Tribhuvan University, Nepal in 2004.

**Awards:** New Researcher Grant (2016) by Griffith University. GUPRS (2010) by Griffith University. IPRS (2012) by Griffith University.

**Expertise:** Respiratory System. Cardiovascular System.

**Professional Affiliation:** Lung Foundation Australia. Thoracic Society of Australia and New Zealand. American Physiological Society.

**Correspondence:** **Mailing Address:** Griffith University, Australia. **Phone number/Cell:** 0755528281. **E-mail:** pramod.sharma@yahoo.com



**555. Prashant Mandal (M; 1972; Kathmandu, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Chief, Technical and Project Development Division, Chilime Hydropower Company Limited, Dhumbarahi, Kathmandu. Civil Engineer, Nepal Electricity Authority (Nepal Government. Undertaking).

**Past Experiences:** Chief Executive Officer, Chilime Engineering and Services Company Ltd, Nepal. Deputy Manager (Sr. Hydropower Engineer), Chilime Hydropower Company Limited, Nepal.

**Education:** PhD in Hydraulic Engineering from China Three Gorges University, China in 2016. MSc in Renewable Energy Engineering from Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal in 2005. BE in Civil Engineering from Bangalore University, India in 1995.

**Awards:** Nepal Vidhya Bhushan (2016) by Right Honourable President of Nepal, Bidhya Devi Bhandari. Chinese Government Scholarship, CSC (2013-2016) by Chinese Government.

**Expertise:** Project Management (Project Scheduling and Planning). Hydropower Project Study and Design. Contract Management.

**Professional Affiliation:** Member, Nepal Engineering Council. Member, Nepal Engineers' Association.

**Correspondence:** **Mailing Address:** Jayabageshwori, Kathmandu-8, Nepal. **Phone number/Cell:** 4474108/9841361371. **E-mail:** prashantmandal12@yahoo.com



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**556. Prashanta Dhoj Adhikari (M; 1974; Tanahu, Nepal)**

**Category:** Material Science.

**Current Affiliation:** Executive Director, Parbat Medico Enterprises, New Banasehwr.

**Past Experiences:** Lecturer of Chemistry, Patan Campus, TU. Post-Doc Research Fellow, Sungkyunkwan University. Research Professor, Sungkyunkwan University.

**Education:** PhD in Material Science from National Taiwan University of Science and Technology, Taiwan in 2010. MSc in Physical Chemistry from Central Department of Chemistry, TU, Nepal in 1998. BSc in Physics, Chemistry and Mathematics from Patan Campus, TU, Nepal in 1995.

**Awards:** Brain in Korea 2021 Post-Doc Fellowship (2011) by Sungkyunkwan University, Department of Physics. KRF Research Grant (2012) by Ministry of Science and Technology, South Korea. FAPSEP Research Grant (2019) by Saupaulo Research Foundation, Brazil.

**Expertise:** Nanomaterials Synthesis and Surface Modification. Fabrication of Self-Assembled Monolayer. Hybrid Nanomaterials. Composites and Device Application.

**Professional Affiliation:** Patan Campus, TU, Nepal. Sungkyunkwan University, Korea. Nutra S, USA.

**Correspondence:** **Mailing Address:** Lalitpur-13, Nepal. **Phone number/Cell:** 9860212902. **E-mail:** dhoj2@yahoo.com



**557. Pratap Sagar Tiwari (M; 1980; Kathmandu, Nepal)**

**Category:** Medicine.

**Current Affiliation:** Consultant Hepatologist (Level 10), Koshi Zonal Hospital, Biratnagar.

**Past Experiences:** DM Resident, National Academy of Medical Sciences, Bir Hospital. Lecturer, Kathmandu University, Nobel Medical College and Teaching Hospital, Biratnagar. Lecturer, Kathmandu University, Nepalgunj Medical College and Teaching Hospital, Banke.

**Education:** DM in Hepatology from National Academy of Medical Sciences (NAMS), Bir Hospital, Nepal in 2019. MD in Internal Medicine from Nepalgunj Medical College and Teaching Hospital, Kathmandu University, Nepal in 2013. MBBS from Zhengzhou University, Henan, China in 2005.

**Awards:** DM Hepatology (2019) by National Academy of Medical Sciences, NAMS. MD Internal Medicine (2013) by Kathmandu University.

**Expertise:** Medicine. Hepatology.

**Professional Affiliation:** Koshi Zonal Hospital. National Academy of Medical Sciences, Bir hospital. Nobel Medical College and Teaching Hospital, Biratnagar, Kathmandu University.

**Correspondence:** **Mailing Address:** Department of Medicine. Koshi Zonal Hospital, Biratnagar, Nepal. **Phone Number/Cell:** 9858020882. **E-mail:** pratapsagartiwari@gmail.com



**558. Prativa Pandey (F; 1986; Kathmandu, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** CEO, Catalyst Technology, Jhamsikhel, Lalitpur, Nepal.

**Past Experiences:** Research Scientist, Cabot Microelectronics Corporation. CEO, Herveda Botanicals Pvt Ltd. Researcher, Research Institute For Bioscience and Biotechnology.

**Education:** PhD in Organic Chemistry/Nanotechnology from Northwestern University, United States in 2013. MSc in Organic Chemistry/Nanomaterials from Northwestern University, United States in 2010. BSc in Chemistry, Mathematics from Salem College, United States in 2008.

**Awards:** OWSD Early Career Fellowship (2019) by OWSD-UNESCO. NABIL NAST Science and Technology Award (2019) by NAST. President's Prize for ExCellelence in Chemistry (2008) by Salem College.

**Expertise:** Organic Synthesis. Natural Products. Nanotechnology.

**Professional Affiliation:** Intellectual Property Protection Society Nepal. American Chemical Society, USA. Materials Research Society, USA.

**Correspondence:** **Mailing Address:** Jhamsikhel-2, Lalitpur, Nepal. **Phone number/Cell:** 9860777401. **E-mail:** prativa@catalysttechnology.org



**559. Praveen Kumar Jha (M; 1973; Mahottari, Nepal)**

**Category:** Zoology.

**Current Affiliation:** Member, Monitoring Directorate, TU, Janakpur Dham, Nepal.

**Past Experiences:** Lecturer, Tri-Chandra Multiple Campus.

**Education:** PhD in Zoology from Mewar University, India in 2018. MSc in Zoology from Tribhuvan University, Nepal in 2002. BSc from Tribhuvan University, Nepal in 1999.

**Awards:** Nepal Vidhya Bhusan (2019) by Bidhya Devi Bhandari, Honorable President

**Expertise:** Ornithology. Ecology.

**Professional Affiliation:** Tribhuvan University, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Department of Zoology, Tri-Chandra Multiple Campus, Ghantaghar, Kathmandu, Nepal. **Phone number/Cell:** +9779851036157. **E-mail:** jhapraveenkumar8@gmail.com



**560. Prem Prasad Paudel (M; 1967; Parbat, Nepal)**

- Category:** Erosion Control Engineering. Landslide Hazard Management.
- Current Affiliation:** Under Secretary (Tech.) Section Chief, Planning Cum Project Director and Watershed Management, Ministry of Forests and Environment Department of Forests and Soil Conservation (DOFSC), Watershed and Landslide Management Division, Babar Mahal, Kathmandu.
- Past Experiences:** Inventory Officer (Project Employee), Forest Management and Utilization Development Project (FMUDP).
- Education:** PhD in Erosion Control Engineering (Landslide Hazard Management) from Kyushu University, Japan in 2006. MSc in Bioresources and Bioenvironmental Sciences (Forestry) from Kyushu University, Japan in 2003. BSc in General Biology (Chemistry, Botany & Zoology) from Amrit Science College, Kathmandu, Nepal in 1989. BSc in Forestry from Institute of Forestry, TU, Pokhara, Nepal in 1993.
- Awards:** Monbusho Scholarship (2000) by Japanese Government (Embassy of Japan in Nepal). Young Scientist Award (2007) by Nepal Academy of Science and Technology. Nepal Vidhya Bhusan Class A (2008) by Government of Nepal.
- Expertise:** Erosion Control Engineering (Landslide Hazard Management). Climate Change and Environment. Biodiversity and EBA.
- Professional Affiliation:** Ministry of Forests and Environment, Department of Forests and Soil Conservation (DOFSC), Watershed and Landslide Management Division, Babar Mahal, Kathmandu. Project Director, Building Climate Resilience of Watersheds in Mountain Eco Region (BCRWME).
- Correspondence:** **Mailing Address:** Kathmandu-26, Samakhushi, Mhepee, Kathmandu, Nepal. **Phone number/Cell:** 014388599/9841519141. **E-mail:** paudelpp98@gmail.com



**561. Prem Raj Dhungel (M; 1969; Kathmandu, Nepal)**

**Category:** Physics.

**Current Affiliation:** Lecturer, St. Xavier's College, Maitighar, Kathmandu.

**Past Experiences:** Lecturer, Golden Gate International College. Lecturer (Part Time), Central Department of Physics, Tribhuvan University. Vice Principal and Coordinator of Science, Little Angel's College, Hattiban, Lalitpur.



**Education:** PhD in Astrophysics-Effect of Massive Neutrinos and Massive Particles on Structure Formation in the Universe from Central Department of Physics, Tribhuvan University, Nepal in 2018. MSc in Physics-Effect of Massive Neutrinos on Structure Formation in the Universe from Central Department of Physics, Tribhuvan University, Nepal in 1996. BSc in Physics, Statistics and Mathematics from Tri-Chandra College, Tribhuvan University, Nepal in 1992.

**Awards:** Nepal Vidhya Bhusan (2019) by Ministry of Education, Government of Nepal.

**Expertise:** Research in Astronomy and Astrophysics. Teaching Physics, Math and Statistics. Program Management. Conflict Transformation and Peace building.

**Professional Affiliation:** Life Member, Nepal Physical Society. Vice-President, Premsagar Foundation.

**Correspondence:** **Mailing Address:** St. Xavier's College, Maitighar, Kathmandu, Nepal.

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**562. Prem Sagar Bhandari (M; 1967; Chitwan, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Associate Professor, Birendra Multiple Campus, Tribhuvan University, Chitwan.

**Past Experiences:** Mathematics Teacher (22yrs.), Birendra Campus, Tribhuvan University.

**Education:** PhD in A Study of Mathematical Models for Air Pollution from Deen Dayal Upadhyaya University, Uttar Pradesh, India in 2018. MSc in Mathematics from Tribhuvan University, Nepal in 1994. BSc from Tribhuvan University, Nepal in 1991.

**Awards:** Faculty Fellowship (2015) by UGC, Nepal.

**Expertise:** Mathematical Modelling on Air Pollution. Water Pollution. Modelling on Waste Matter Management. Mathematical Biology.

**Professional Affiliation:** Nepal Mathematical Society, Kathmandu. Indian Society of Mathematics and Mathematical Sciences, India. Council for Mathematics Education, Kathmandu.

**Correspondence:** **Mailing Address:** Birendra Campus, Bharatpur, Chitwan, Nepal. **Phone number/Cell:** 9845047706. **E-mail:** premsagar61@yahoo.com



### 563. Prem Singh Saud (M; 1980; Kailali, Nepal)

**Category:** Nanotechnology.

**Current Affiliation:** Associate Professor, Kailali Multiple Campus, Dhangadhi-Kailali.

**Past Experiences:** Assistant Professor, National Academy of Science and Technology, Dhangadhi, Kailali. Assistant Professor, Aishwary Mutipal Campus, Dhangadhi, Kailali.

**Education:** PhD in A Study on the Photocatalytic Nanocomposites Based on TiO<sub>2</sub> and PAN Nanofibers from Chonbuk National University, South Korea in 2016. MSc in Inorganic, Organic and Physical Chemistry from Tribhuvan University, Nepal in 2003. BSc in Inorganic, Organic and Physical Chemistry from Tribhuvan University, Nepal in 2001.

**Awards:** Youth Scientist (2018) by Nepal Academy of Science and Technology. ExCellent Paper Presentation Award (2015) by Korean Society of Industrial and Engineering Chemistry, Busan, Republic of Korea. Excellent Research Note (2015) by Leaders in Industry University Cooperation, Chonbuk National University.

**Expertise:** Synthesis of Nanoparticles.

**Correspondence:** **Mailing Address:** Dhangadhi-04, Kailali, Nepal. **Phone number/Cell:** 9848423350. **E-mail:** psaud80@gmail.com



### 564. Puna Maya Maharjan (F; 1978; Kathmandu, Nepal)

**Category:** Genetic Engineering and Biotechnology.

**Current Affiliation:** Senior Scientist, GFLAS Life Sciences, Suite 1F, 38 Nakseongdae-ro, Gwanak-Gu, Seoul 08790, Korea.

**Past Experiences:** Post-Doctoral Fellow, Research Institute for Basic Sciences (IBS). Post-Doctoral Fellow, Advanced Training program for Biological Sciences BK21, Seoul National University. Post-Doctoral Fellow, Plant Genomics and Breeding Institute.

**Education:** PhD in Biological Sciences-Synergistic Interaction Between Auxin and Brassinosteroid in Arabidopsis Growth from Seoul National University, Republic of Korea in August, 2013. MSc in Botany (Biochemistry and Biotechnology)-Effect of Phosphate Solubilizing Bacteria (PSB) on Growth of Soybean (*Glycine max* (L.) Merr.) from Tribhuvan University, Nepal in 2003. BSc in Botany 1. Vegetative Analysis, Ethnobotany and Park Management of Bajra Barahi forest 2. Study on Environmental Impact Assessment (EIA) in Godavari Marble Industry from Tribhuvan University, Nepal in 2001.

**Awards:** Future Scientist Award 2012 (2012) by Korean Society of Plant Biologists.

**Expertise:** Plant-Made Pharmaceuticals Production. CRISPR Based Genome Editing in Plant. Plant Biotechnology and Tissue Culture.

**Professional Affiliation:** Korean Society for Molecular and Cellular Biology, The Korea Science Technology Center (Rm.1105), Seoul 06130, Korea. Korean Society of Plant Biologists, Seoul, Korea.

**Correspondence:** **Mailing Address:** Gwanak gu, Solbatro2 gil, 16, 411 (Bongcheon Dong), Seoul, Korea. **Phone number/Cell:** +827088726518/+821020588185. **E-mail:** punamaya@gmail.com



**565. Punam Yadav (F; 1982; Sunsari, Nepal)**

**Category:** Biotechnology and Virology.

**Current Affiliation:** Communication Officer, BP Koirala Institute of Health Sciences, Dharan, Nepal.

**Past Experiences:** PhD Scholar, Nepal Academy of Science and Technology.

**Education:** PhD in Characterization of LignoCellulase Produced by Thermophilic Bacteria Isolated from Hot Springs of Myagdi, Nepal from Nepal Academy of Science and Technology/Tribhuvan University, Nepal in 2019. MSc in Molecular Identification of Japanese Encephalitis Virus and West Nile Virus by Real-Time PCR from National Institute of Virology, Pune University, India in 2012. BSc in Medical Laboratory Technology from Jawaharlal Institute of Postgraduate in Education and Research (JIPMER), India in 2010.

**Awards:** NAST-PhD. Collaborative Program Fellowship (2012) by Nepal Academy of Science and Technology. CSIR-TWAS Sandwich Postgraduate Fellowship (2014) by TWAS-CSIR.

**Expertise:** Molecular Virology. Protein Purification. Sequencing.

**Professional Affiliation:** BP Koirala Institute of Health Sciences.

**Correspondence:** **Mailing Address:** BP Koirala Institute of Health Sciences. **Phone number/Cell:** 9843368277. **E-mail:** punamyadav.10oct@gmail.com



**566. Purna Bahadur Chand (M; 1966; Baitadi, Nepal)**

**Category:** Physics.

**Current Affiliation:** Vice-Chancellor, Faculty of Science and Technology, Far Western University, Bhimdatt-18, Kanchanpur.

**Past Experiences:** Dean, Far Western University, Mahendranagar, Kanchanpur. Campus Chief, Siddhanath Science Campus, Tribhuvan University, Mahendranagar, Kanchanpur. Department Head, Physics Department, Siddhanath Science Campus, Tribhuvan University, Mahendranagar, Kanchanpur.

**Education:** PhD in Physics from University of Lucknow, India in 2009. MSc in Physics from Tribhuvan University, Nepal in 1992. BSc in Physics, Chemistry and Mathematics from Kumaun University, India in 1988.

**Awards:** Nepal Vidhya Bhusan (2010) by President of Nepal.

**Expertise:** Material Science. Particle Physics.

**Professional Affiliation:** Life Member, Nepal Physical Society (NPS), Nepal. Life Member, Indian Liquid Crystal Society (ILCS), India.

**Correspondence:** **Mailing Address:** Bhimdatt-18, Mahendranagar, Kanchanpur, Nepal. **Phone number/Cell:** 9858750146/099524927. **E-mail:** purnachandmnr@hotmail.com



**567. Purna Nath Mishra (M; 1941; Bhaktapur, Nepal)**



**Category:** Zoology. Parasitology.

**Past Experiences:** Chairman (2000-2004 & 1996-1997), Nepal National Committee for Man and the Biosphere. Chairman (2004-2007), Biology Subject Committee Higher Secondary Education Board Ministry of Education, Government of Nepal. Member (1996-1997), Fellowship Selection Committee, Ministry of Education, Government of Nepal.

**Education:** PhD in Parasitology-Strigeid Parasites from Birds from Panjab University, India in 1972. MSc in Experimental Zoology & Entomology from Lucknow University, India in 1967. BSc in Biology from Tribhuvan University, Nepal in 1962.

**Awards:** Mahendra Vidhya Bhusan by King Birendra. Education Award by Laxmi Prasad Devkota in 2014 BS.

**Expertise:** Parasitology. Entomology. Zoology.

**Correspondence:** **Mailing Address:** 165 Mathmukteshwor Marga, Kalimati-13, Kathmandu, Nepal. **Phone number/Cell:** +97714270624. **E-mail:** pnmishra@wlink.com.np

**568. Purusotam Basnet (M; 1958; Kaski, Nepal)**

**Category:** Pharmaceutical Sciences.

**Current Affiliation:** Professor and Head of IVF Laboratory, UiT-The Arctic University of Norway, Universitetveien 57, Tromsø-9037, Norway.

**Past Experiences:** Dean, Pokhara University, Pokhara, Nepal. Program Director, Pharmaceutical Sciences, Pokhara University, Pokhara, Nepal. Associate Professor, Toyama Medical and Pharmaceutical Sciences, Toyama, Japan.

**Education:** PhD in Pharmaceutical Sciences-Chemical and biological studies on some important traditional medicines for hypoglycemic principles from Toyama Medical and Pharmaceutical Sciences, Toyama, Japan in 1995. MSc in Organic Chemistry from Central Department of Chemistry, Tribhuvan University, Nepal in 1984. BSc in Chemistry Major from Tri-Chandra College, Tribhuvan University, Kathmandu, Nepal in 1982.

**Awards:** ExCellece in Integrative Medicine Research Award (2012) by European Society of Integrative medicine, Florence, Italy. Formidlingspris IFA (2010) by Department of Pharmacy, University of Tromsø, Norway. RONAST Science and Technology Award (2005) by Royal Nepal Academy of Science and Technology (RONAST), Kathmandu, Nepal.

**Expertise:** Human Embryology. State of Art for the Culture Human Embryo and establishing the IVF Lab. Educators, Establishing the Pharmaceutical Science Program in Pokhara University, Pokhara Nepal. Researcher, Natural and Traditional Medicines Especially in the field of Nanodelivery Systems and Formulation.

**Professional Affiliation:** IVF Unit, Department of Obstetrics and Gynaecology, University Hospital of North Norway, 9037 Tromsø, Norway. Department of Clinical Medicine, Faculty of Health Sciences, University of Tromsø-The Arctic University of Norway, Universitetsvien 37, 9057, Tromsø, Norway.

**Correspondence:** **Mailing Address:** Utsikten 307, 9018, Trpmsø, Norway. **Phone number/Cell:** +4799232856. **E-mail:** purusoba@yahoo.com



**569. Purusottam Kharel (M; 1958; Kavrepalanchok, Nepal)**

**Category:** Computer Science. Engineering Design and Development.

**Current Affiliation:** Professor, Nepal College of Information Technology, Pokhara University, Kavre, Nepal.

**Past Experiences:** Lecturer, Kathmandu University. Assistant Professor, Kathmandu University. Associate Professor, Kathmandu University.

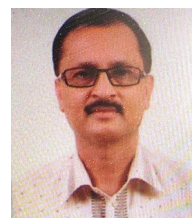
**Education:** PhD in Computer Engineering-Strategic Framework for the Implementation of E-Government in Nepal from Kathmandu University, Nepal in 2015. MTech in Information and Technology (Engineering) from Kathmandu University, Nepal in 2003. BSc in Statistics from Tribuvan University, Nepal in 1984.

**Awards:** Nepal Vidhya Bhusan Padak (Medal) (2016) by Nepal Government, President of Nepal. Nepal Shikchhya (Education) Padak (Medal) (2014) by Nepal Government.

**Expertise:** E-Government System Design and Development. Electronic Educational Environment. Ubiquitous Based Learning Technology Program (Teaching and Learning). Online/Distance Learning System.

**Professional Affiliation:** Nepal College of Information Technology (NCIT), Pokhara University, Balakumari, Lalitpur Nepal. Department of Computer Science and Engineering, Kathmandu University, Dhulikhel, Kavre, Nepal. Nepal Government, Department of Livestock Services and GTG project.

**Correspondence:** **Mailing Address:** Prof. Dr. Purusottam Kharel, Kathmandu Metropolitan City, Sifal-7, House No. 216. **Phone number/Cell:** Home: 01-4490078, Mobile: 9841242689. **E-mail:** drpkharels@ncit.edu.np; pkharel@ku.edu.np; pkharelp@gmail.com



**570. Pushpa Raj Acharya (M; 1980; Kaski, Nepal)**

**Category:** Zoology. Bat Ecology. Biodiversity Conservation.

**Current Affiliation:** Assistant Professor, Mid-Western University, Birendranagar, Surkhet.

**Past Experiences:** Senior Scientist, Nepal Academy of Science and Technology.

**Education:** PhD in Biology-How Foraging Behaviour of Dawn Nectar Bats (*Eonycters spelaea*, Pteropodidae) Promote Cross Pollination of Chiropterophilous Crops at Agricultural Landscape of Thailand from Prince of Songkla University, Faculty of Science, Thailand in 2015. MSc in Zoology from Central Department of Zoology, Kirtipur Campus, Nepal in 2006. BSc in Biology from PN Campus, Tribhuvan University, Nepal in 2002.

**Awards:** Nepal Vidhya Bhushan 'Ka' (2073 BS) by President of Nepal. Research Fellowship (2073) by Nepal Academy of Science and Technology.

**Expertise:** Ecology. Ecosystem Services and Ecological Modelling. Pollination Biology. Animal Taxonomy (Small Mammals, Pollinators).

**Professional Affiliation:** Department of Biology, Faculty of Science and Technology, Central Campus of Science and Technology, Mid-Western University.

**Correspondence:** **Mailing Address:** Central Campus of Science and Technology, Faculty of Science, Mid Western University. **Phone number/Cell:** 9860211202. **E-mail:** pushpa\_psu@yahoo.com



**571. Pushparaj Adhikari (M; 1985; Jhapa, Nepal)**

**Category:** Physics.

**Current Affiliation:** Post-Doctoral Researcher, Carleton University, Colonel By Dr, Ottawa, Canada.

**Past Experiences:** Research Assistance, Sejong University, Seoul, South Korea. Research Assistance, Institute for Basic Science, Daejeon, South Korea.

**Education:** PhD in A Search for Dark Matter with NaI (TI) Crystals of the COSINE-100 from Sejong University, Republic of Korea in 2019. MSc in Measurement of Nepali Vowel Duration as an Acoustic Cue from Tribhuvan University, Nepal in 2012.

**Awards:** Outstanding Presentation in KPS conference (2018) by Korean Physical Society (KPS).

**Expertise:** Dark Matter and Neutrino Physics Experiment. DAQ, Electronics and Instrumentation. Monte Carlo Simulation of the Particle Detector.

**Professional Affiliation:** Carleton University, 1125 Colonel By Dr, Ottawa, ON K1S 5B6, Canada.

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**572. Puskar Raj Pokhrel (M; 1969; Dang, Nepal)**

**Category:** Physical Mathematical Modeling and Computing.

**Current Affiliation:** Assistant Professor, RR Campus, Tribhuvan University, Kathmandu, Nepal.

**Past Experiences:** Lecturer, Kathmandu Engineering College, Tribhuvan University.

**Education:** PhD in Mathematics-Generalized Quasi two-Phase Bulk Mixture Models for Mass Flow from School of Science, Kathmandu University, Nepal in 2019. MSc in Mathematics from Institute of Science and Technology, Tribhuvan University, Nepal in 1997. BSc in Mathematics from Tribhuvan University, Nepal in 1994.

**Expertise:** Mathematical Modeling. Scientific Computing. Numerical Simulation.

**Correspondence:** **Mailing Address:** RR Campus, Kathmandu, Nepal. **Phone number/Cell:** 9841529076. **E-mail:** prpokharel@ratnarajyalaxmicampus.edu.np

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**573. Puspa Raj Poudel (M; 1974; Lamjung, Nepal)**

**Category:** Agriculture. Horticulture.

**Current Affiliation:** Assistant Professor, TU, IAAS, Paklihawa Campus, Siddharthanagar-1, Nepal.

**Past Experiences:** Project Manager, Practical Action. Program Director, Community Development and Environment Conservation Forum, Sindhupalchok. Post-Doctoral Research Fellow, National Research Institute of Brewing.

**Education:** PhD in Horticulture-Evaluation and Utilization of Grape Germplasm Native to Japan from United Graduate School of Agricultural Sciences, Ehime University, Japan in 2008. MSc in Agriculture-Studies on Characteristics of New Wine Grape Cultivar (*Vitis ficifolia* var. *ganebu* x *Vitis vinifera* L. Muscat of Alexandria) from Kagawa University, Japan in 2005. BSc in Agriculture (Horticulture) from Institute of Agriculture and Animal Science, Tribhuvan University, Nepal in 1999.

**Awards:** JSPS bridge Fellowship (2019) by Japan Society for the Promotion of Science (JSPS). Nepal Vidhya Bhusan Padak 'Ka' (2011) by Nepal Government/Ministry of Education. Post-Doctoral Fellowship (2009) by Japan Society for the Promotion of Science (JSPS).

**Expertise:** Horticulture (Pomology). Plant Tissue Culture. Plant Biotechnology and Molecular Analysis. Enology and Viticulture (Wine Science and Grape Cultivation).

**Professional Affiliation:** Nepal Horticulture Society, Lalitpur, Nepal. Nepal JSPS Alumni Association (NJAA).

**Correspondence:** **Mailing Address:** GPO Box 25395, Kathmandu, Nepal. **Phone number/Cell:** 9851133584. **E-mail:** poudelpuspa@yahoo.com

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**574. Raba Thapa (F; 1974; Pyuthan, Nepal)**

**Category:** Medicine.

**Current Affiliation:** Senior Consultant Ophthalmologist, Vitreo-Retina Specialist, Tilganga Institute of Ophthalmology, Kathmandu, Nepal.

**Past Experiences:** Associate Professor of Ophthalmology, National Academy of Medical Sciences. Vitreo-Retina Specialist, Senior Consultant Ophthalmologist, Tilganga Institute of Ophthalmology. Visiting Associate Professor, Jigme Dorji National Referral Hospital, Thimphu, Bhutan.

**Education:** PhD in Epidemiological Study of Retinal Diseases in Nepal from Vrije University, Amsterdam, The Netherlands in 2018. MD (Ophthalmology) in Profile of Blepharoptosis Among Patients Attending in BP Koirala Lions Center of Ophthalmic Studies, Institute of Medicine, Kathmandu, Nepal from BP Koirala Lions Center of Ophthalmic Studies, Institute of Medicine, Tribhuvan University, Nepal in 2005. MBBS from Institute of Medicine, Tribhuvan University, Kathmandu, Nepal in 2000.

**Awards:** Nabil Science and Technology Award (2019) by Government of Nepal, Nepal Academy of Science and Technology. Nepal Vidhya Bhusan 'Ka' (2019) by Government of Nepal, Ministry of Education.

**Expertise:** Clinical and Epidemiological Research in Ophthalmology. Vitreo-Retina. Teaching Residency of Ophthalmology.

**Professional Affiliation:** Council Member, Asia Pacific Tele Ophthalmology Society, Guangdong, PR China. Member, Asia Pacific Ocular Trauma Society, Central Jakarta, Indonesia. Treasure, Nepal Vitreo Retina Society, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Suryavinayak-2, Balkot Height, Bhaktapur, Nepal. **Phone number/Cell:** 9841406884. **E-mail:** rabathapa@live.com



**575. Rabi Khanal (M; 1985; Gulmi, Nepal)**

**Category:** Physics.

**Current Affiliation:** Post-Doctoral Fellow, University of Idaho, ID 83844, USA.

**Past Experiences:** Graduate Research Assistant, Missouri University of Science and Technology, Rolla, Missouri, USA. Postgraduate Diploma Fellow, The Abdus Salam International Center for Theoretical Physics, Trieste, Italy. Short Term Research Fellow, SN Bose National Center for Basic Sciences, Kolkata, India.

**Education:** PhD in Properties of Amorphous Transparent Conducting and Semiconducting Oxides from First Principles from Missouri University of Science and Technology, United States in 2016. MSc in Electronic and Magnetic Properties of Ordered ( $\text{Pt}_3\text{Mn}$  and  $\text{Pd}_3\text{Mn}$ ) and Disordered ( $\text{Pt}(1-x)\text{Mn}_x$  ( $x = 0.01, 0.05, \text{ and } 0.10$ ) and  $\text{Pd}(1-x)\text{Mn}_x$  ( $x = 0.20, 0.25$  and  $0.50$ )) Binary Alloy from Tribhuvan University, Nepal in 2011. BSc in Physics from Tribhuvan University, Nepal in 2008.

**Awards:** Dissertation Completion Fellowship (2015-2016) by Missouri University of Science and Technology. MCC Travel Grant (University of Illinois at Urbana-Champaign) by 2014. Thesis Grant (2010-2011) by Nepal Academy of Science and Technology.

**Expertise:** Density Functional Theory (DFT) Calculations. Semiconductors. Solar Cell.

**Professional Affiliation:** Nepal Physical Society (NPS), Kathmandu, Nepal. American Physical Society (APS), United States. Materials Research Society (MRS), United States.

**Correspondence:** **Mailing Address:** 215 E Henley St. APT 503, Moscow, Idaho, USA. **Phone number/Cell:** +13343289376. **E-mail:** rabikhanal03@gmail.com



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**576. Rabindra Bista (M; 1975; Kathmandu, Nepal)**

**Category:** Computer Engineering.

**Current Affiliation:** Assistant Professor, Kathmandu University, Dhulikhel-4, Kavre.

**Past Experiences:** Research Assistant, Chonbuk National University. Teaching Assistant, Chonbuk National University. School Teacher, Taudaha Rastriya MaVi, Kirtipur, Kathmandu.

**Education:** PhD in Wireless Sensor Networks from Chonbuk National University, Republic of Korea in June 2011. ME in Spatial Network Database from Chonbuk National University, Republic of Korea in February 2007. BSc in Information Technology from Sikkim Manipal University, India in August 2004.

**Awards:** Korea Research Foundation Grant (KRF-2007-211-D00103) (2005-2007) by Government of Korea. Korea Research Foundation Grant (KRF-2005-211-D00322) (2007-2010) by Government of Korea. Brain Korea Phase-II Grant (2010-2011) by Government of Korea.

**Expertise:** Health Informatics. Wireless Sensor Networks. Smart City.

**Professional Affiliation:** Asia E-Health Information Network (AeHIN). Health Informatics Society of Sri Lanka.

**Correspondence:** **Mailing Address:** Department of Computer Science and Engineering, Kathmandu University, Dhulikhel-4, Nepal. **Phone number/Cell:** 9849476579/9851007576. **E-mail:** rbista@ku.edu.np, rabindra84@gmail.com



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**577. Rabindra Kayastha (M; 1968; Bhaktapur, Nepal)**

**Category:** Statistics.

**Current Affiliation:** Associate Professor, Kathmandu University, Department of Mathematics School of Science Kathmandu University.

**Past Experiences:** Associate Professor, Department of Mathematics. Assistant Professor, Department of Natural Sciences. Lecturer, Department of Natural Sciences.

**Education:** PhD in Statistics-Biostatistical Approaches to Study Occupational Stress Among Executive Officers of Nepal from Kathmandu University, Nepal in 2013. MSc in Statistics from Tribhuvan University, Nepal in 1995. BSc in Physics, Statistics and Mathematics from Tri-Chandra College, Tribhuvan University, Nepal in 1992.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2014) by Minister of Education, Nepal Government.

**Expertise:** Statistics. Mathematics. Occupational Stress.

**Professional Affiliation:** Nepal Mathematical Society. Gwalior Academy Mathematical Sciences (GAMS), India. International Indian Statistical Association (IISA).

**Correspondence:** **Mailing Address:** Department of Mathematics, School of Science, Kathmandu University, Nepal. **Phone number/Cell:** 9841267604. **E-mail:** rkayastha@ku.edu.np



**578. Rabindra Prasad Dhakal (M; 1971; Gorkha, Nepal)**



- Category:** Chemistry and Chemical Engineering.
- Current Affiliation:** Faculty Chief, Faculty of Technology, Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal.
- Past Experiences:** Acting General Manager, Renewable Energy Test Station, NAST. Senior Science and Technology Expert (Advisor to the then Prime Minister), Office of the Prime Minister and Council of Ministers. JSPS Post-Doc Researcher, Miyazaki University.
- Education:** Doctor of Engineering in Chemical Engineering-Development of Novel Functional Materials for Separation of Metal Ions by Chemical Modification of Polysaccharides and Biomass Wastes from Department of Energy and Materials Sciences, Saga University, Saga, Japan in 2005. MSc in Organic Chemistry from Central Department of Chemistry, Tribhuvan University, Nepal in 1995. BSc in Biology/Chemistry from Amrit Campus, Tribhuvan University, Nepal in 1993.
- Awards:** TWAS (2010) by The World Academy of Sciences. JSPS grant (2007) by Japanese Society of Promotion of Sciences, Japan. Sasakawa Grant (2003) by Sasakawa Foundation, Japan.
- Expertise:** Bioenergy: Biofuel Processing, Characterization, Materials Conversion, Performance of Fuel Analysis. Biomass Conversion into Functional Materials. Materials Architecture: Biopolymer Processing Engineering and Functionalization, Application and Characterization of Biopolymers. Bio-organic Chemistry: Isolation of Bioactive Materials from Biological Lives, Characterization and Structure Elucidation Using Spectroscopic Data.
- Professional Affiliation:** President, Nepal Bioenergy Society, Kathmandu. Member, Chemical Engineering Society of Japan. Community Member, Chemical Engineering, World Academy of Science, Engineering and Technology.
- Correspondence:** **Mailing Address:** Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** 9851087714. **E-mail:** dhakalrabindra3@gmail.com

**579. Rabindra Simkhada (M; 1977; Dhading, Nepal)**

**Category:** Medicine.

**Current Affiliation:** Cardiologist, Shahid Gangalal National Heart Centre, Bansbari, Kathmandu, Nepal.

**Past Experiences:** Cardiologist, Universal College of Medical Sciences, Bhairahawa. Teaching Assistant, Manmohan Cardiothoracic Vascular and Transplant Center. Lecturer, Kathmandu Medical College.

**Education:** DM in Cardiology-Coronary Artery Dimensions among Nepalese. from National Academy of Medical Sciences (NAMS), Nepal in 2014. MD in Internal Medicine-Prevalance of Culture Positive Urinary Tract Infection and Antibiotic Sensitivity Pattern among Diabetic Patients from Institute of Medicine, Tribhuvan University, Nepal in 2009. MBBS from University of Science and Technology Chittagong (USTC), Bangladesh in 2003.

**Awards:** Dr. Gopal Prasad Acharya Gold Medal (2014) by Institute of Medicine, Tribhuvan University. Mahendra Vidhya Bhusan 'Ga' (2005) by HM Ex King of Nepal .

**Expertise:** Cardiology. Internal Medicine. Medical Research.

**Professional Affiliation:** Nepal Medical Association (NMA), Pradarshani Marg, Kathmandu. Society of Internal Medicine of Nepal (SIMON), NMA building, Kathmandu. Cardiac Society of Nepal, Shahid Gangalal National Heart Centre Complex, Bansbari, Kathmandu.

**Mailing Address:** Bandevi Marg, Kharibot, Tokha-11 Kathmandu Nepal. **Phone number/Cell:** 9841249210. **E-mail:** rsimkhada2001@yahoo.com



**580. Raghendra Kumar Dutta (M; 1983; Dhanusa, Nepal)**

**Category:** Biology.

**Current Affiliation:** Post-Doc, Gwangju Institute of Science and Technology (GIST), Department of Biomedical Science and Engineering Gwangju 61005, South Korea.

**Past Experiences:** Quality Control Microbiologist, Alive Pharmaceuticals (P) Ltd Biratnagar, Nepal. Quality Control Officer, Elder Universal Pharmaceuticals, Nepal.

**Education:** PhD in Medicine-The Role of Catalase on Lipid Metabolism During Starvation from Wonkwang University, Iksan, South Korea in 2018. Master of Medicine (MS) from Wonkwang University, Iksan, South Korea in 2014. Bachelor's Degree Microbiology from Tri-Chandra College, Tribhuvan University, Kathmandu, Nepal in 2005.

**Awards:** Best Poster AWARD in 2013 International Conference KSMCB. (2013) by Korean Society for Molecular and Cellular Biology (KSMCB).

**Expertise:** Mammalian Cell Culture System. Protein Purification. Confocal Imaging. Transfection of siRNA. SubCellular Fractionation. Western Blotting. qPCR Analysis. GC-MS. Primary Cell Culture. Primary Adipocytes Isolation and Differentiation. Peroxisome Isolation. Biochemical Assays. Animal Handling and Maintenance of Wild Type and Knock Out Mouse Colonies.

**Professional Affiliation:** Department of Biomedical Science and Engineering Gwangju Institute of Science & Technology (GIST) Dasan Bld #309, 123 Cheomdan-Gwagi-ro, Buk-gu, Gwangju 61005, Korea.

**Correspondence:** **Mailing Address:** Department of Biomedical Science and Engineering Gwangju Institute of Science & Technology (GIST) Dasan Bld #309, 123 Cheomdan-Gwagi-ro, Buk-gu, Gwangju 61005, Korea. **Phone number/Cell:** +821048974196. **E-mail:** raghavdutta123@gist.ac.kr, raghavdutta123@gmail.com



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**581. Raj Kumar Dani (M; 1976; Gorkha, Nepal)**

**Category:** Chemistry.

**Past Experiences:** Post-Doc, ESPCI Paristech, Paris, France. Post-Doc, College of Pharmacy, Oregon State University, Oregon, USA. Research Assistant, Kansas State University, Kansas, USA.

**Education:** PhD in Exploring Physical Properties of Nanoparticles for Biomedical Applications from Kansas State University, Manhattan, KS, United States in 2012.

**Awards:** Nepal Vidhya Bhusan, 'Ka' (2016) by Government of Nepal.

**Expertise:** Nanomaterials and Nanotechnology. Nanomedicine and Controlled Drug Delivery. Combined Therapy for Cancer Treatment. Magnetic Hyperthermia. Photodynamic Therapy. Chemotherapy. Magneto-Optic Effect. Plasmonics.

**Professional Affiliation:** Member, American Association of Pharmaceutical Scientists (AAPS). Malignant Hyperthermia Association of the United States (MHAUS). Member, Sigma Xi, The Scientific Research Society.

**Correspondence:** **Mailing Address:** PO Box 11783. **Phone number/Cell:** 9860319952. **E-mail:** rajkumardani@gmail.com

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**582. Raj Kumar Thapa (M; 1987; Kaski, Nepal)**

**Category:** Pharmacy. Pharmaceuticals.

**Current Affiliation:** Research Scientist, Section of Pharmaceutics and Social Pharmacy, Department of Pharmacy, University of Oslo, Norway.

**Past Experiences:** Post-Doctoral Researcher, Department of Chemical and Biomolecular Engineering, University of Delaware. Assistant Professor, Department of Pharmacy, School of Health and Allied Sciences, Pokhara University. Quality Control Officer, Omnica Laboratories Pvt Ltd.

**Education:** PhD in Chemotherapeutics Incorporated Novel Nano-Systems for Targeted Treatment Of Various Cancers from Yeungnam University, Korea in 2017. MPharm (Master of Sciences of Pharmacy) in Tacrolimus-Loaded Liquid Crystalline Nanoparticles: Preparation, Characterization, *in-vitro* and *in-vivo* Studies from Yeungnam University, Republic of Korea in 2012. BPharm (Bachelor of Pharmaceutical Sciences) in Antibiotic Prophylaxis in Caesarean Section from Pokhara University, Nepal in 2009.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2018) by Government of Nepal. Oral Presentation Award (2015) by Pharmaceutical Society of Korea. Dean's List Award (2010) by Pokhara University.

**Expertise:** Nanoparticle Based Anticancer Therapy. Topical Drug and Gene Delivery. Antimicrobial Peptide Based Formulations.

**Professional Affiliation:** European Society of Photobiology, Padova, Italy. Nepal Pharmacy Council, Nepal. Nepal Red Cross Society, Nepal.

**Correspondence:** **Mailing Address:** Section of Pharmaceutics and Social Pharmacy, Department of Pharmacy, University of Oslo, PO Box 1068, Blindern, 0316, Oslo, Norway. **E-mail:** thapa.rajkumar7@gmail.com

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**583. Raja Ram Pradhananga (M; 1951; Bhaktapur, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Head of Department, SANN international College, Chabahil (Bhatkeko Pul), Kathmandu.

**Past Experiences:** Professor and Head of Department, Central Department of Chemistry, Tribhuvan University.

**Education:** PhD in Solid State Chemistry from Poona Univesity, India in 1982. MSc in Chemistry from Tribhuvan University, Nepal in 1974. BSc in Physics, Chemistry, Mathematics from Tribhuvan University, Nepal in 1972.

**Awards:** Mahendra Vidhya Bhusan A (2004) by Government of Nepal. Mahedra Vidhya Bhusan B (1976) by Government of Nepal. HRH Crown Prince Deependra Scienc and Technology Youth Award (1987) by RONAST, Nepal.

**Expertise:** Nanotechnology: Nanoporous Carbon Materials. Solar Cells: Photoelectrochemical Solar Cell. Electroanalytical Chemistry: Electrochemical Sensor.

**Professional Affiliation:** Visiting Scientist, National Institute of Materials Science (NIMS), Tchukuba, Japan. Fellow of Nepal Chemical Society.

**Correspondence:** **Mailing Address:** Kalimati-Kuleshwor, Vishwa Vidhyalaya Path 1140/137, Kathmandu, Nepal. **Phone number/Cell:** +9779841702620. **E-mail:** rajaram2620@gmail.com



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**584. Rajani Ghaju (F; 1988; Kaski, Nepal)**

**Category:** Water Microbiology.

**Current Affiliation:** Post-Doc Researcher, Osaka University, Yamadaoka, Suita, Osaka.

**Past Experiences:** Researcher, University of Yamanashi.

**Education:** PhD in Characterization of Pathogenic Bacterial Community in Water and Fecal-Source Samples in the Kathmandu Valley, Nepal from University of Yamanashi, Japan in 2018. MSc in Medical Microbiology from Kantipur College of Medical Science, Nepal in 2014. BSc in Microbiology from Janapriya Multiple Campus, Nepal in 2009.

**Awards:** MEXT Scholarship (2015) by Japanese Government. Young Researchers' Award (2018) by University of Yamanashi.

**Professional Affiliation:** Researcher in Univesity of Yamanashi. Post-Doc Researcher in Osaka University.

**Correspondence:** **Mailing Address:** Prithvi Chowk, Pokhara-9, Nepal. **Phone number/Cell:** 9808877793. **E-mail:** rajanighaju@gmail.com



**585. Rajani Shakya (F; 1977; Kathmandu, Nepal)**

**Category:** Pharmacy.

**Current Affiliation:** Associate Professor, Department of Pharmacy, Kathmandu University, Kavre.

**Past Experiences:** Assistant Professor, Kathmandu University.

**Education:** PhD in *In-vitro* and *In-vivo* Evaluation of Gastroretentive Floating Drug Delivery System of Ofloxacin from Kathmandu University, Nepal in 2012. MPharm in Study of the Incidence of Hepatotoxicity of Anti-tuberculosis drugs in Nepalese Population and Assessment of Risk Factors from Kathmandu University, Nepal in 2003. BPharm from Kathmandu University, Nepal in 2000.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2013) by Government of Nepal. Education Award (2011) by Ministry of Education, Government of Nepal.

**Expertise:** Pharmaceutical Sare. Bioavailability and Bioequivalence Studies.

**Professional Affiliation:** Nepal Pharmacy Council (NPC), Bijulibazar, Kathmandu. Nepal Pharmaceutical Association (NPA). Adjunct Clinical Instructor, St. Louis College of Pharmacy, Missouri, USA.

**Correspondence:** **Mailing Address:** Department of Pharmacy, Kathmandu University, Kavre, Nepal. **Phone number/Cell:** 9841299482. **E-mail:** rajani@ku.edu.np, rajani.shakya@gmail.com



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**586. Rajdeep Bomjan (M; 1980; Kathmandu, Nepal)**

**Category:** Cellular Microbiology.

**Current Affiliation:** Post-Doctoral Research Associate, Washington University in St. Louis, St. Louis, MO, USA.

**Past Experiences:** Post-Doctoral Research Associate, Purdue University, West Lafayette, IN, USA. Graduate Research Assistant, Purdue University, West Lafayette, IN, USA.

**Education:** PhD in YshB is a Positive Regulator for *Salmonella* Intra Cellular Survival and Facilitates the Spatio-Temporal Regulation of Bacterial Pathogenesis from Purdue University, United States in 2018. MSc in Prevalence of Multidrug Resistant Strains with Reference to Extended Spectrum Beta-Lactamase Producing Strains Among the Bacterial Pathogens Isolated from Different Clinical Samples from Tribhuvan University, Nepal in 2004. BSc in Microbiology from Tribhuvan University, Nepal in 2002.

**Awards:** Lynn Fellowship (2010) by Purdue University. Mirus Bio Research Award (2011) by Mirus Bio LLC. Nepal Vidhya Bhusan 'Kha' (2009) by Ministry of Education, Government of Nepal.

**Expertise:** Cellular and Molecular Microbiology. Bacterial Genetics. Immunology.

**Professional Affiliation:** Post-Doctoral Research Associate, Washington University in St. Louis, MO, USA. Post-Doctoral Research Associate, Purdue University, IN, USA.

**Correspondence:** **Mailing Address:** 425 S. Euclid Avenue, MPRB10260, St. Louis, MO-63110, USA. **Phone number/Cell:** 3143627042. **E-mail:** b.rajdeep@wustl.edu



**587. Rajdeo Prasad Kushwaha (M; 1970; Parsa, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Reader, Thakur Ram Multiple Campus, Birgunj, Parsa, Nepal.

**Education:** PhD in Mathematics from Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur, India in 2013. MSc in Mathematics from Tribhuvan University, Nepal in 1995. BSc in Mathematics (Honours) from Babasaheb Bhimraw Ambedkar Bihar University, Muzuffarpur, India in 1993.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2015) by Ministry of Education Nepal Government.

**Expertise:** Pure Mathematics.

**Correspondence:** **Mailing Address:** Birgunj, Shreepur Kshiksha Nagar-11, Parsa, Nepal. **Phone number/Cell:** 9855038852. **E-mail:** rajdeokus@gmail.com



**588. Rajeev Mukhia (M; 1987; Rautahat, Nepal)**

**Category:** Basic Medical Sciences.

**Current Affiliation:** Assistant Professor, Manipal College of Medical Sciences, Fulbari, Pokhara, Nepal.

**Past Experiences:** PhD Scholar, MGM Institute of Medical Sciences, Navi-Mumbai.

**Education:** PhD in Medical Anatomy-Morphogenesis and Histogenesis of Human Foetal Spleen from MGM Institute of Medical Sciences, Navi-Mumbai, India in 2017. MSc in Medical Anatomy-Morphogenesis of Human Lung from MGM Institute of Medical Sciences, Navi-Mumbai, India in 2013. BSc in Pathology from Doon Paramedical College & Hospital, India in 2009.

**Awards:** Oral Presentation (2017) by MCOMS, Pokhara.

**Expertise:** Research in Histology. Anatomy and Embryology. Oral Presentation. Publications.

**Correspondence:** **Mailing Address:** Gaur-5 (BP Chowk), Rautahat, Narayani, Nepal. **Phone number/Cell:** 9845100285. **E-mail:** rajeev510@yahoo.com



### 589. Rajendra K.C. (M; 1972; Rupandehi, Nepal)

**Category:** Forestry. Forest Genetics. Population Genetics.

**Current Affiliation:** Joint Secretary, Ministry of Forests and Environment, Singha Durbar, Kathmandu.

**Past Experiences:** Deputy Director General, Department of Forests and Soil Conservation, Babarmahal, Kathmandu. District Forest Officer, District Forest Office, Kailali. Lead National Consultant, Food and Agriculture Organization, UN House, Lalitpur.

**Education:** PhD in Forest Ecology-Forest Genetics from Georg-August University, Goettingen, Germany in 2011. MSc in Tropical and International Forestry from Georg-August University, Goettingen, Germany in 2009. BSc in Forestry from Institute of Forestry, Pokhara, Nepal in 1996.

**Awards:** Nepal Vidhya Bhusan (2012) by Hon President Dr. Ram Baran Yadav. Mahendra Vidhya Bhusan (1997) by Late King Birendra Bir Bikram Shahdev.

**Expertise:** Forest Genetics. Non Wood Forest Products. Forest Administration.

**Professional Affiliation:** Nepal Foresters' Association. Bird Conservation Nepal.

**Correspondence:** **Mailing Address:** Khahare, Godawari-3, Lalitpur, Nepal. **Phone number/Cell:** 9851149420. **E-mail:** rkc.gen@gmail.com



### 590. Rajendra Joshi (M; 1973; Kailali, Nepal)

**Category:** Chemistry and Biochemical Science.

**Current Affiliation:** Associate Professor and Head, Kathmandu University, Department of Chemical Science and Engineering, School of Engineering, Kathmandu University, Nepal.

**Past Experiences:** Research Scientist, Max Planck Institute, Tuebingen, Germany. Assistant, University of Tuebingen, Germany. Quality Control Officer, Colgate Palmolive, Nepal.

**Education:** PhD in Organic Chemistry-Enzymatic Synthesis of Cholecystokinin Octapeptide from University of Tuebingen, Germany in 2007. MSc in Organic Chemistry-Enzyme Immobilization from Tribhuvan University and University of Tuebingen, Nepal in 1998. BSc in Chemistry, Zoology, Botany from Tribhuvan University, Nepal in 1995.

**Awards:** TWAS Award in Chemistry (2013) by NAST. Nepal Vidhya Bhusan 'Ka' (2013) by Government of Nepal. DAAD (German Academic Exchange Service) (2003-2007) by Germany.

**Expertise:** Research in Organic and Bio-Chemical Field. Water Chemistry. Drug Design and Delivery. Natural Product Chemistry. Teaching and Academic Administration of University. Industrial Chemistry.

**Professional Affiliation:** Life Member, Nepal Chemical Society. Life Member, Nepal German Academic Association (NEGAAS). Executive Member, Nepal German Academic Association (NEGAAS).

**Correspondence:** **Mailing Address:** Department of Chemical Science and Engineering, School of Engineering, Kathmandu University, Nepal. **Phone number/Cell:** 9848423298. **E-mail:** rajendra.joshi@ku.edu.np, rajendrajoshiku@gmail.com



**591. Rajendra P Parajuli (M; 1977; Parbat, Nepal)**

- Category:** Environmental Epidemiology. Genetic Epidemiology. Parasitology. Nutritional Ecology. Toxicology. Exposure Science. Zoology.
- Current Affiliation:** Research Associate, CRCHUM, University of Montreal, Quebec H2X 3H8.
- Past Experiences:** Research Associate (2017-2019), University of Ottawa, Department of Biology. Research Associate (2014-2017), Natural Resource Department, McGill University. Post-Doctoral Fellow (2010-2014), University of Tokyo, Department of Human Ecology/NCCHD.
- Education:** PhD in Environmental Epidemiology from University of Tokyo, Japan in 2010. MSc in Zoology from TU in 2002 and in Nutritional Ecology from University of Tokyo, Japan in 2007. BSc in Zoology from Birendra Multiple Campus, Bharatpur, Chitwan (TU), Nepal in 2000.
- Awards:** ADB JSP Award (2 Years) (2005) by Asian Development Bank Jap School Prog. University of Tokyo Fellowship (3 years) (2007) by University of Tokyo. RONAST Thesis Support Award MSc Thesis/2nd Topper (2002) by RONAST.
- Expertise:** Impact of Contaminants (Heavy Metals, Pesticides) on Health Outcomes. Environmental Epidemiology. Statistical Analysis Methods for Complex Population-Based Data with Additive Modelling/Adjustments. Excellent Collaboration Skills. Implementing Research Projects, Epidemiological Methods and Statistical Analysis by SPSS. Table & Manuscript Drafting. Knowledge Translation.
- Professional Affiliation:** PI Member, Birth Cohort Consortium of Asia (BiCCA). Member, International Society of Environmental Epidemiology (ISEE). Associate, IICRD, University of Victoria, Canada. Adjunct Assistant Professor, University of Victoria, Canada.
- Correspondence:** **Mailing Address:** 80, Craig Henry DR, Nepean, Canada, K2G3Z6. **Phone number/Cell:** 6138697731. **E-mail:** parajulirp@gmail.com



**592. Rajendra Prasad Koirala (M; 1974; Syangja, Nepal)**

**Category:** Physics.

**Current Affiliation:** Assistant Professor, Central Department of Physics, Tribhuvan University, Kirtipur, Kathmandu.

**Past Experiences:** Lecturer, Don Bosco College, Kathmandu. School Teacher, Ananda Niketan Vidyashram, Palpa.

**Education:** PhD in Nature of the Molecular Interaction in DNA-Protein Complexes from Tribhuvan University, Nepal. MSc in Biomedical Physics-Determination of Kidney size in Nepalese People by Using Ultrasonography from Tribhuvan University, Nepal in 2001. BSc in Physics from Tribhuvan University, Nepal in 1995.

**Awards:** PhD Research Fellowship (2017) by Nepal Academy of Science and Technology (NAST).

**Expertise:** Molecular Dynamics. Study of Biomolecules by Using Computational Simulation Techniques, Especially, Nanoscale Molecular Dynamics (NAMD) and Other Supporting Softwares. Measurement of Electromagnetic Spectrum by using Ionization Chambers and Dosimeters to find the Electromagnetic Power and Determination of Health Hazard on Human Life. Course Teaching and Dissertations For Graduate Students in Physics.

**Professional Affiliation:** Central Department of Physics, Tribhuvan University, Nepal. Research Collaboration with Florida International University, USA.

**Correspondence:** **Mailing Address:** Rajendra Prasad Koirala, Central Department of Physics, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 9851099031. **E-mail:** rpkoirala@tucdp.edu.np



**593. Rajendra Shrestha (M; 1975; Bhaktapur, Nepal)**

**Category:** Experimental Plasma Physics.

**Current Affiliation:** Head of Department, Department of Science and Humanities, Nepal Banepa Polytechnic Institute, Nepal Banepa Polytechnic Institute, Banepa, Kavre.

**Past Experiences:** Physics Teacher, Basu Higher Secondary School. Visiting Faculty, Kathmandu University.

**Education:** PhD in an Experimental Study of Atmospheric Pressure Plasma Jet and its Applications from Kathmandu University, Nepal in 2017. MSc in Physics from Tribhuvan University, Nepal in 2005. BSc in Physics from Tribhuvan University, Nepal in 1997.

**Awards:** PSSI Poster Award 2014 (2014) by Plasma Science Society of India. Nepal Vidhya Bhusan 'Ka' (2018) by Government of Nepal, Ministry of Education.

**Expertise:** Physical and Biomedical Application of Atmospheric Pressure Plasma Jet in Argon. Air and Oxygen Gas Environment. Atmospheric Pressure Dielectric Barrier Discharge. Plasma Diagnostics. Plasma Technology. Plasma Medicine.

**Professional Affiliation:** Nepal Banepa Polytechnic Institute (CTEVT), Kavre, Nepal. Madhyapur Polytechnic Institute (Affiliated to CTEVT), Bhaktapur, Nepal. Patan Multiple Campus, Lalitpur, Nepal.

**Correspondence:** **Mailing Address:** Nepal Banepa Polytechnic Institute, Banepa, Kavre, Nepal. **Phone number/Cell:** 9841405945. **E-mail:** rajendra.ts2002@gmail.com



**594. Rajesh Bahadur Thapa (M; 1973; Kaski, Nepal)**

- Category:** Remote Sensing and GIS.
- Current Affiliation:** Capacity Building Specialist, International Centre for Integrated Mountain Development (ICIMOD), Khumaltar, Lalitpur-23.
- Past Experiences:** Researcher, Japan Aerospace Exploration Agency (JAXA). Visiting Professor, University of Tsukuba, Japan. JSPS Post-Doctoral Research Fellow, University of Tsukuba, Japan.
- Education:** PhD in Geoenvironmental Science from University of Tsukuba, Japan in 2009. MSc in Remote Sensing and GIS from Asian Institute of Technology, Thailand in 2003. BA in Humanities and Social Science from Tribhuvan University, Nepal in 1996.
- Awards:** Who's Who in the World (2011) by Marquis. Nepal Vidhya Bhusan First Class (2010) by President of Nepal. Outstanding Research Award (2008) by University of Tsukuba.
- Expertise:** Remote Sensing Applications. Geospatial Modeling. Land Use Land Cover.
- Professional Affiliation:** Life Member, Nepal Remote Sensing and Photogrammetric Society (NRSPS), Nepal. Life Member, Nepal GIS Society (NEGISS), Nepal. Member, American Geophysical Union (AGU), USA.
- Correspondence:** **Mailing Address:** GPO Box 3226, Khumaltar, Lalitpur-23, Nepal. **Phone number/Cell:** 9846880177. **E-mail:** rajesh.thapa@icimod.org



**595. Rajesh Joshi (M; 1985; Darchula, Nepal)**

**Category:** Animal Breeding and Genetics. Animal Science.

**Current Affiliation:** Researcher, GenoMar Genetics AS, Husdyrfagbygget, Norway.

**Past Experiences:** President, The Association of Doctoral Organisations in Norway (SiN). Assistant Lecturer, Himalayan College of Agricultural Sciences & Technology. Product Manager, QMed Formulations Pvt Ltd.

**Education:** PhD in Breeding and Genetics-Non-Additive Genetic Effects in Nile Tilapia from Norwegian University of Life Sciences, Norway in 2018. MSc Double Degree in European Masters in Animal Breeding and Genetics from Wageningen University/BOKU, Netherlands in 2015. BVSc & AH in Veterinary Science from HICAST, Nepal in 2011.

**Awards:** MSc (EMABG) Scholarship (2013) by Dutch Koepon Foundation. Certificate of Merit (For Securing First Position at BVSc&AH) (2014) by Dr Sundar-Mohan Pratisthan. Narendra Memorial Trust Award (2011) by Nepal Veterinary Association.

**Expertise:** Animal Breeding and Genetics-Quantitative Geneticist. Implementation of Genomic Selection and Other New Technologies in the Breeding Programs (Livestock and Aquaculture). Creating and Implementation of Breeding Plans.

**Professional Affiliation:** Nepal Veterinary Council. European Federation of Animal Science (EAAP). World Aquaculture Society- Asia.

**Correspondence:** **Mailing Address:** Heggveien 32, 1430 As, Norway. **Phone number/Cell:** +4793926751. **E-mail:** joshi\_2042@yahoo.com



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**596. Rajesh Kumar Suman (M; 1986; Rautahat, Nepal)**

**Category:** Medical Pharmacology.

**Current Affiliation:** Assistant Professor, Hind Institute of Medical Sciences, Lucknow, India.

**Past Experiences:** Tutor, MGM Medical College, Mumbai, India.

**Education:** PhD in Medical Pharmacology-Efficacy of Mangiferin and Berberine on type 2 Diabetes Coexisting With Metabolic Syndrome in Experimental Rats from MGM Institute of Health Sciences, Mumbai, India in 2017. MSc in Medical Pharmacology from MGM Institute of Health Sciences, India in 2013. BSc in Medical Laboratory Technology from HNB Garhwal university, Uttarakhand, India in 2009.

**Awards:** Dr. Naranjan Dhalla Award (2016) by India Section of International Academy of Cardiovascular Science, Canada.

**Expertise:** Pharmacological Research and Drug Utilization Research. Diabetes Research. Teaching to MBBS.

**Professional Affiliation:** Indian Pharmacological Society.

**Correspondence:** **Mailing Address:** Karuniya, Dewahi Gonahi, Rautahat, Nepal. **Phone number/Cell:** 00919699072649. **E-mail:** rajeshsuman2043@gmail.com



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**597. Rajesh Pandit (M; 1976; Kathmandu, Nepal)**

**Category:** Chemistry. Polymer. Nanomaterials. Nanotechnology.

**Current Affiliation:** Assistant Professor, Tri-Chandra Multiple Campus, Tribhuvan University, Kathmandu.

**Past Experiences:** Assistant Campus Chief, Tri-Chandra Multiple Campus, Tribhuvan University. Vice-President, Nepal Polymer Institute. Treasurer, Nepal Chemical Society.

**Education:** PhD in Chemistry-Templating Nanostructures in Epoxy Resin Using Styrenic Block Copolymer from Institute of Science and Technology, Tribhuvan University, Nepal in 2016. MSc in Chemistry (Physical Chemistry) from Central Department of Chemistry, Tribhuvan University, Nepal in 1999. BSc in Chemistry, Botany, Zoology from Tri-Chandra Multiple Campus, Tribhuvan University, Nepal in 1997.

**Awards:** Best Presentation Award (2020) by Government VYTPG. Autonomous College, Durg, CG, India. Nepal Bidhaya Bhusan 'Ka' (2017) by Honorable President of Nepal. Best Poster Presentation Award (2012) by World Forum on Advanced Materials, PolyCHAR-20, Croatia.

**Expertise:** Polymer Chemistry. Nanomaterials and Nanotechnology. Physical Chemistry.

**Professional Affiliation:** President, Nepal Polymer Institute, Kathmandu, Nepal. Life Member, Nepal Chemical Society, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Kageshwari-Manohara-4, Kathmandu, Nepal. **Phone number/Cell:** 9841442230. **E-mail:** panditrajesh02@gmail.com



**598. Rajesh Prasad Dhakal (M; 1969; Sunsari, Nepal)**

**Category:** Earthquake Engineering.

**Current Affiliation:** Professor, University of Canterbury, Department of Civil Engineering.

**Past Experiences:** Lecturer to Professor (2003-Now), University of Canterbury, New Zealand. Research Fellow (2000-2003), Nanyang Technological University, Singapore. Civil Engineer (1993-1995), (i) Nepal Telecommunication Corporation, (ii) Department of Irrigation.

**Education:** PhD in Civil Engineering (Concrete/Earthquake Engineering) from The University of Tokyo, Japan in 2000. ME in Structural Engineering from Asian Institute of Technology, Thailand in 1997. BE in Civil Engineering from Institute of Engineering, Tribhuvan University, Nepal in 1993.

**Awards:** Established Researcher Award (2020) by University of Canterbury, NZ. Otto Glogau Award for Best Paper (2007, 2012, 2018) by NZ Society for Earthquake Engineering (NZSEE). Ivan Skinner Award (2006) by NZSEE and Earthquake Commission (EQC).

**Expertise:** Earthquake Resistant Design of Structures. Seismic Vulnerability Assessment and Retrofitting of Buildings. Seismic Loss Estimation of Structures.

**Professional Affiliation:** Fellow, New Zealand Society for Earthquake Engineering (FNZSEE). Fellow, Engineering New Zealand (FEngNZ). Chartered Professional Engineer (CPEng), New Zealand.

**Correspondence:** **Mailing Address:** 19 Eaglesome Avenue, Aidanfield, Halswell, Christchurch 8025, New Zealand. **Phone number/Cell:** 0277428541. **E-mail:** rajesh.dhakal@canterbury.ac.nz



**599. Rajeshwar Man Shrestha (M; 1959; Lalitpur, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Associate Professor, Department of Applied Sciences and Chemical Engineering, Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal.

**Past Experiences:** Associate Professor (2006 to date), Pulchowk Campus, Institute of Engineering, Tribhuvan University. Lecturer (1997 to 2006), Pulchowk Campus, Institute of Engineering, Tribhuvan University. Assistant Lecturer (1988 to 1997), Pulchowk Campus, Institute of Engineering, Tribhuvan University.

**Education:** PhD in Chemistry-Studies on Adsorptive Removal of Pb (II), Cd(II) and Ni(II) Ions from water by Activated Carbons Prepared from Lapsi (*Choerospondias axillaris*) from Institute of Engineering, Tribhuvan University, Nepal in 2015. MSc in Chemistry from Kritipur Multiple Campus, Tribhuvan University, Nepal, Nepal in 1985. BSc in Chemistry, Zoology and Botany from Amrit Science Campus, Tribhuvan University, Nepal in 1982.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2016) by Ministry of Education, Government of Nepal.

**Expertise:** Preparation of Activated Carbon for the Removal of Pollutants from Water by Adsorption.

**Professional Affiliation:** Life Member, Nepal Chemical Society.

**Correspondence:** **Mailing Address:** Pulchowk Campus, Department of Applied Sciences and Chemical Engineering, Institute of Engineering, Tribhuvan University, Nepal. **Phone number/Cell:** 9841271481. **E-mail:** rajeshwar@ioe.edu.np, rmschemrhos@gmail.com



**600. Rajib Chaulagain (M; 1978; Kathmandu, Nepal)**

**Category:** Dentistry.

**Current Affiliation:** Assistant Professor, Chitwan Medical College (CMC), Bharatpur, Nepal.

**Past Experiences:** Lecturer, KIST Medical College.

**Education:** PhD in Oral Biology-FGF Signaling in Tooth and Cranial Base Development from University of Bergen, Norway in 2016. BDS in Dentistry from Tribhuvan University/People's Dental College and Hospital, Nepal in 2004.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2017) by President of Nepal.

**Expertise:** Researcher. Academician. Journal Editor. Molecular Developmental Biology. Dental Science. Oral Biology.

**Correspondence:** **Mailing Address:** Chabahil, Kathmandu, Nepal. **Phone number/Cell:** 9860199335. **E-mail:** drrajibchaulagain@gmail.com.



**601. Rajib Subba (M; 1967; Kathmandu, Nepal)**

**Category:** Information and Communication Technology.

**Current Affiliation:** Director/DIGP, Nepal Police, Communication Directorate, PHQ, Naxal, Kathmandu.

**Past Experiences:** Research Assistant/Lecturer, University of Hawaii at Manoa. National Consultant, National Planning Commission. Instructor/Team Leader, United Nations Training Center-Kosovo.

**Education:** PhD in Communication and Information Sciences-Institutionalization of Coordination in Online Communities: A Case Study of Haiti Earthquake Emergent Response Groups on Facebook from University of Hawaii at Manoa, United States in 2014. MBA (Executive) in Management Information System from Kathmandu University School of Management, Nepal in 2005. BE in Electronics and Communication Engineering from Karnataka University, India in 1993.

**Awards:** Nepal Science and Technology Promotion Award (2015) by Nepal Academy of Science and Technology. Best Technical Officer Award (2015) by Nepal Police. Nepal Vidhya Bhusan (2014) by Government of Nepal.

**Expertise:** Radio Communication Technologies. Crisis Informatics. Social Media and Disaster Management.

**Professional Affiliation:** Kings College, Kathmandu. Computer Association of Nepal, Kathmandu. Internet Society Chapter-Nepal, Kathmandu.

**Correspondence:** **Mailing Address:** Bansbari, Kathmandu-3, Nepal. **Phone number/Cell:** 9851048776. **E-mail:** dr.rsubba@gmail.com



**602. Raju Adhikari (M; 1958; Dang, Nepal)**

**Category:** Chemical and Polymer Sciences.

**Current Affiliation:** Hon Fellow, CSIRO Manufacturing, Director, CRAM Responsive Polymers Pty Ltd, A/A Prof RMIT University, Victoria, Australia.

**Past Experiences:** Chief, Central Research Laboratory, NAST (1987-1991). Post-Doctoral, CSIRO Division of Chemicals and Polymers, Univ of Hohenheim (1991-1993). Research Scientist, CSIRO Molecular Science (1995-2000). Senior Research Scientist, CSIRO Molecular Science and Health Technologies (2003-2010). Principal Scientist, PolyNovo Biomaterials Limited (2004-2007). Principal Research Scientist, CSIRO Materials Science and Engineering (2007-2010), CSIRO Manufacturing (2010-2018).

**Education:** PhD in Organic Chemistry from University of Delhi, India in 1986. MPhil-I in Organic Chemistry from University of Delhi, India in 1982. MSc in Organic Chemistry in 1980. BSc in Chemistry and Biology in 1978 from DBS College, HN BG University, Dehradun, India.

**Awards:** CSIRO Agriculture and Food Director Award (2017). Australian Museum Eureka Prize Runner up (2011). CSIRO Medal (2006). CSIRO Molecular Science SAP Innovation Award (2004). CSIRO Molecular Science SAP Go for Growth Award (2004).

**Expertise:** Design and Synthesis of Bioactive Molecule, Polymer, Ir Complex, Polymer and Product Formulation, Start-Up and Patent.

**Professional Affiliation:** AE, Frontiers in Bioengineering and Biotechnology and Frontiers in Molecular Biosciences, CnsIt, Biora Renewables Alternatives, Mbr, Australian Society for Biomaterials and Tissue Engineering

**Correspondence:** **Mailing Address:** 4 Crows Lane, Glen Waverley. **Phone number/Cell:** 61412853603. **E-mail:** raju.adhikari@csiro.au



**603. Raju Panday (M; 1987; Kanchanpur, Nepal)**

**Category:** Biotechnology.

**Current Affiliation:** Assistant Scientific Officer, National Forensic Science Laboratory, Khumaltar, Lalitpur, Nepal.

**Past Experiences:** Assistant Scientist, National Forensic Science and Laboratory.

**Education:** PhD in Biomedical Engineering from Huazhong University of Science and Technology, China in 2019. MSc in Biotechnology from Tribhuvan University, Nepal in 2013. BSc in Microbiology from Tribhuvan University, Nepal in 2008.

**Awards:** Vidhya Bhusan (2019) by Government of Nepal.

**Expertise:** Nanoparticle Design and Drug Delivery. Forensic Biology (Human and Non-Human).

**Professional Affiliation:** Nepal Forensic Society (NeFoS), Nepal.

**Correspondence:** **Mailing Address:** Mahendranagar-18, Katan, Kanchanpur, Nepal. **Phone number/Cell:** 9849103600. **E-mail:** raju.panday@hotmail.com



**604. Raju Prasad Srivastava (M; 1969; Parsa, Nepal)**

**Category:** Radiation Physics.

**Current Affiliation:** Medical Physicist, University Hospital Ghent, Heymanslaan 10, 9000 Gent.

**Past Experiences:** Medical Physicist, Centre Hospitalier de Mouscron, Belgium. Medical Physicist, BP Koirala Memorial Cancer Hospital, Bharatpur, Chitwan, Nepal.

**Education:** PhD in Radiotherapy from University of Ghent, Belgium in 2006-2012. MSc in Diploma in Radiological Physics from Mumbai University, India in 2000. BSc in Physics from MU, India in 1996.

**Awards:** IAEA fellowship (2010) by IAEA. BOF (2006) by UGent. ICREET (2005) by UICC.

**Expertise:** Radiation Physics. Cancer Treatment Planning. Radiation Protection.

**Professional Affiliation:** Department of Radiation Oncology, UZ Gent.

**Correspondence:** **Mailing Address:** Koestraat-18, Merelbeke 9820, Belgium. **Phone number/Cell:** +32486384991. **E-mail:** rajupsrivasstava@gmail.com



**605. Rakesh Dumar (M; 1986; Bhaktapur, Nepal)**

**Category:** Structural Engineering.

**Current Affiliation:** Associate Professor, Nepal Engineering College, Changunarayan, Bhaktapur.

**Past Experiences:** Lecturer, Khwopa Engineering College. Design Engineer, Digicon Engineering Consultant Pvt Ltd.

**Education:** PhD in Seismic Vulnerability Assessment and Retrofit Techniques in the Existing Reinforced Concrete Buildings in Nepal from University of Porto, Portugal in 2018. MSc in Seismic Vulnerability Assessment of Masonry Buildings in Nepal from Pulchowk Campus, Institute of Engineering, Nepal in 2011. BE in Seismic Design of Reinforced Concrete Building from Institute of Engineering, Eastern Engineering Campus, Nepal in 2009.

**Awards:** SLC Topper (2002) by Siddhi Ganesh Sanstha and Cooperative Limited. Vidhya Bhusan (2019) by Nepal Government.

**Expertise:** Design of Reinforced Concrete and Steel Structures. Performance Assessment of Existing Structures and Intervention of Retrofit Measures. Experimental Investigations of Infilled Structures.

**Professional Affiliation:** Nepal Engineering College. Khwopa Engineering College. University of Porto.

**Correspondence:** **Mailing Address:** Inacho-07, Bhaktapur, Nepal. **Phone number/Cell:** 9862276391. **E-mail:** rakesh.dumar1@gmail.com



**606. Ram Giri (M; 1971; Kaski, Nepal)**

**Category:** Strategy Planning. Renewable Energy.

**Current Affiliation:** Project Manager/Analyst, Mitsui & Co. Global Strategy Studies Institute, 3-25-8 The Park House, Nihonbashi Hamacho Chuoku Tokyo.

**Past Experiences:** Manager, Mitsui & Co.

**Education:** PhD in Energy (Engineering) from Muroran Institute of Technology, Hokkaido, Japan in 2005. MSc in Electrical Engineering from Muroran Institute of Technology, Hokkaido, Japan in 2002. BSc in Electrical and Electronics Engineering from Muroran Institute of Technology Hokkaido, Japan in 2000.

**Awards:** Rangaku Award (2000) by Muroran Institute of Technology.

**Expertise:** Renewable Energy. Business Policy. Development Policy/ Strategy/ Project Management.

**Professional Affiliation:** NEDO. JETRO. Terashima Bunko Society for Asia-Eurasia Studies.

**Correspondence:** **Mailing Address:** 1-3, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8631, Japan. **Phone number/Cell:** +819038921222. **E-mail:** rgnejp@gmail.com.



**607. Ram Chandra Basnyat (M; 1964; Dolakha, Nepal)**

**Category:** Biochemistry (Proteome).

**Current Affiliation:** Professor, Central Department of Chemistry, Tribhuvan University, Kirtipur, Kathmandu.

**Past Experiences:** Assistant Lecturer, Tribhuvan University, Institute of Agriculture and Animal Science. Lecturer, Tribhuvan University, Institute of Agriculture and Animal Science. Associate Professor, Institute of Agriculture and Animal Science.

**Education:** PhD in Biochemistry (Proteome) from University Putra Malaysia, Malaysia in 2010. MSc in Chemistry from Tribhuvan University, Nepal in 1989. BSc in Biological Science from Tribhuvan University, Nepal in 1986.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2010) by Ministry of Education of Nepal.

**Expertise:** Extraction, Separation and Identification of Proteins.

**Correspondence:** **Mailing Address:** Central Department of Chemistry, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** +9774330537, **E-mail:** basnyatram@gmail.com



**608. Ram Chandra Khanal (M; 1969; Chitwan, Nepal)**

**Category:** Agriculture. Programme Valuation and Climate Change.

**Current Affiliation:** Founder, Surya CERT Nepal, Kathmandu.

**Past Experiences:** Knowledge Management Consultant, ICIMOD. Evaluation Team Leader, GIZ Nepal. Team Leader, Programme Development, Landell Mills, UK.

**Education:** PhD in Technology Adoption in Agriculture from Kathmandu University, School of Education, Nepal in 2016. MSc in Hill Farming Systems in Nepal from Asian Institute of Technology, Thailand in 1998. BSc in Agriculture from Tribhuvan University, Nepal in 1992.

**Awards:** Nepal Vidhya Bhusan (2017) by President Office Nepal. AITAA Research Scholarship (1998) by AITAA. DAAD Scholarship (1997) by German Government.

**Expertise:** Sustainable Agriculture. Organic Certification. Agriculture Value Chain. Digital Agriculture. Evaluation Design, Methodology, Theory of Change, Result Based Management, Data Management, Evaluation Research. Climate Change Adaptation. Climate Change Vulnerability and Risk Assessment. Capacity Building. Policy Studies.

**Professional Affiliation:** Community of Evaluators-Nepal and South Asia. CEESP/IUCN Commission Member.

**Correspondence:** **Mailing Address:** Surya CERT Nepal, Kathmandu, Nepal. **Phone number/Cell:** 9841369922. **E-mail:** khanalrc@yahoo.com



**609. Ram Chandra Poudel (M; 1977; Kaski, Nepal)**

**Category:** Conservation Genetics. Plant Taxonomy.  
**Current Affiliation:** Senior Scientific Officer, Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal.  
**Past Experiences:** Project Coordinator, Plant Life International Funded Project, Implemented by ESON. Project Assistant, CEPF funded project, implemented by ESON.  
**Education:** PhD in Conservation Genetics from Kunming Institute of Botany, Chinese Academy of Sciences, China in 2013. MSc in Plant Taxonomy from Edinburgh University, United Kingdom in 2007. BSc in Botany from Tribhuvan University, Nepal in 1997.  
**Awards:** Third World Academy Award (2015) by Nepal Academy of Science and Technology. Darwin Fellow (2007) by Darwin Initiative, UK.  
**Expertise:** Conservation Genetics. Plant Taxonomy and Biodiversity Conservation. Ethnobotany. Community Based NTFPs Management. Plant Databasing.  
**Correspondence:** **Mailing Address:** Tokha-7, Dhapasi, Kathmandu, Nepal. **Phone number/Cell:** 014365422/9841304411. **E-mail:** ramc\_poudel@yahoo.com



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**610. Ram Chandra Singh (M; 1952; Kathmandu, Nepal)**

**Category:** Statistics.  
**Current Affiliation:** Professor, Central Department of Statistics, TU, Kirtipur, Kathmandu.  
**Past Experiences:** Assistant Lecturer, Tri-Chandra Multiple Campus. Lecturer, Central Department of Statistic. TU Associate Professor, CDS, TU.  
**Education:** PhD in Robustness of Some Bayes Inferential Procedures to a Non-Gamma Prior Distribution from Delhi University, India in 2000. MSc in Statistics from Tribhuvan University, Nepal in 1984. BSc in Physics from Tribhuvan University, Nepal in 1977.  
**Awards:** Nepal Vidhya Bhusan A Class (2002) by King of Nepal. Melvin Jones Fellow Award (2019) by Chairman, Lions Club International Foundation.  
**Expertise:** Demography. Mathematical Statistics. Econometrics.  
**Professional Affiliation:** Nepal Statistical Society. Lions Club. Blood Donors Association, Nepal.  
**Correspondence:** **Mailing Address:** Balaju, Kathmmandu. **Phone number/Cell:** 9841454290. **E-mail:** ramchandra\_singh2011@hotmail.com



**611. Ram Devi Tachamo Shah (F; 1982; Bhaktapur, Nepal)**

**Category:** Environmental Science. Natural Science.

**Current Affiliation:** Senior Researcher, Aquatic Ecology Centre, Kathmandu University, Kavre.

**Past Experiences:** Post-Doctoral Fellow, Aquatic Ecology Centre/ Kathmandu University. Head, Research and Development/Module Leader, Naya Aayam Multidisciplinary Institute. Scientific Advisor, Himalayan Biodiversity and Climate Centre.

**Education:** PhD in Monitoring River Degradation and Climate Change Impacts in the Central Himalaya: Assessment Tools and Management Approaches from Goethe University, Germany in 2015. MSc in Identifying Key Environmental Variables Structuring Benthic Macroinvertebrates for Stream Typology of Indrawati River System, Nepal from Unesco-Institute for Water Education, Netherlands in 2010. BSc in Environmental Science from Khwopa College, Tribhuvan University, Nepal in 2004.

**Awards:** The Science and Technology Youth Award (2016) by NAST.

**Expertise:** Freshwater Biodiversity Assessment. Water Resources Development and Planning. Species Distribution Modelling.

**Professional Affiliation:** Nepal Environmental Society. British Ecological Society. Freshwater Science, The United States of America.

**Correspondence:** **Mailing Address:** House No 79, Sachet Marg, Kausaltar, Kathmandu, Nepal. **Phone number/Cell:** 9841432283. **E-mail:** ramdevi.env@gmail.com



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**612. Ram Govinda Aryal (M; 1979; Kathmandu, Nepal)**

**Category:** Engineering. Information Technology. Techno-Economics.

**Current Affiliation:** Under Secretary, Ministry of Communication and Information Technology, Nepal.

**Past Experiences:** Deputy Controller, Office of the Controller of Certification. Senior Computer Officer, Election Commission, Nepal. Computer Officer, Election Commission, Nepal.

**Education:** PhD in Engineering-Economic Models for Incentivizing the Federations of IaaS Cloud Providers from Seoul National University, Korea in 2019. ME in Computer Engineering-Synchronization of Heterogeneous Database Using SQL over HTTP from Pokhara University, Nepal in 2015. BE in Computer Engineering from Pulchowk Campus, IOE, Tribhuvan University, Nepal in 2003.

**Expertise:** Government Policy and Implementation. Information Systems. Techno-Economics.

**Professional Affiliation:** Nepal Engineering Council. Nepal Engineers' Association.

**Correspondence:** **Mailing Address:** Kharibot, Banasthali, Kathmandu-16, Nepal. **Phone number/Cell:** 9841409997. **E-mail:** aryal.rg@gmail.com



**613. Ram Jeewan Yadav (M; 1965; Siraha, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Assistant Professor, PN College, TU, Pokhara.

**Past Experiences:** Executive Director, Open University, Infrastructure Development Board.

**Education:** PhD in Chemistry from University of Delhi, India in 2014. MSc in Chemistry (Physical Chemistry) from TU, Kirtipur, Nepal in 1994. BSc in Chemistry, Zoology, Botany from RRM College, Janakpur Dham, TU, Nepal in 1989.

**Awards:** Nepal Vidhya Bhusan (2014) by President of Nepal.

**Expertise:** Physical Chemistry. Materials Science. Superabsorbent Polymers.

**Professional Affiliation:** Nepal Chemical Society, Kathmandu. Action Research Consultancy Nepal, Pokhara.

**Correspondence:** **Mailing Address:** Dhangadhimai-10, Dwarikanagar Tole, Siraha, Nepal. **Phone number/Cell:** 9846659372/9806799120. **E-mail:** ramjeewan.yadav@gmail.com



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**614. Ram Kaji Budhathoki (M; 1979; Kathmandu, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Associate Professor, Kathmandu University, Kavre.

**Past Experiences:** Junior Professor, Nepal Engineering College. Assistant Professor, Nepal Engineering College. Associate Professor, Nepal Engineering College.

**Education:** PhD in Behavioral Modeling of Multiple Memristor, Memcapacitor and Meminductor Circuits from Chonbuk National University, Republic of Korea in 2015. ME in Comparative Analysis of Nepali OCR using Kohonen Neural Network and Back Propagation Neural Network from Nepal College of Information Technology, Nepal in 2009. BE in Study of Radar and Microwave Link Design from Kathmandu University, Nepal in 2001.

**Awards:** Best Paper Award (2014) by International Symposium on Information Technology Convergence (ISITC), South Korea. Outstanding Graduate Student Award (2014) by BK 21 PLUS HOPE IT Human Resource Development Center, Chonbuk National University, South Korea. Nepal Vidhya Bhusan 'Ka' (2015) by Government of Nepal, Honorable President of Nepal.

**Expertise:** Analog, Electronic Circuits and Communications. Memristor and its Neuromorphic Applications. Neural Networks.

**Professional Affiliation:** Kathmandu University, Dhulikhel, Kavre, Nepal.

**Correspondence:** **Mailing Address:** Thasikhel, Lalitpur-5, Nepal. **Phone number/Cell:** 9851183818. **E-mail:** ram.budhathoki@ku.edu.np



**615. Ram Krishna Dulal (M; 1965; Kathmandu, Nepal)**



- Category:** Public Health. Hospital Administration.
- Current Affiliation:** Wissenschaftlicher Mitarbeiter in Gesundheitswesen (Scientific Officer in Health Sciences), Die Deutsche Angestellten-Akademie GmbH (DAA), Uellendahler Straße 27-29, 42107 Wuppertal, Germany.
- Past Experiences:** Professor of Public Health, Patan Academy of Health Sciences, Nepal. Public Health Expert/Administrative Director/Founding Executive Member, National Kidney Center, Kathmandu, Nepal Run by Health Care Foundation-Nepal. Executive Editor, Journal of Nepal medical Association, Journal of Nepal Health Research Council.
- Education:** PhD in Public Health-A Perspective Health Care Model for Nepal to Reduce Burden of Diabetes Mellitus Through Policy Appraisal of Germany and Great Britain from University of Bremen-Faculty 11-Human- and Public Health Sciences, Germany in 2004. MSc in Public Health-Factors Affecting Service Satisfaction of Tuberculosis Patients at the National Tuberculosis Centre, Thimi, Nepal from Faculty of Public Health, Mahidol University, Thailand in 1997. MBA-International Hospital Management from Frankfurt School of Finance and Management, Frankfurt, Germany in 2006.
- Awards:** Nepal Vidhya Bhusan 'Ka' (A Gold Medal) (2007) by Minister for Education and Culture, The Government of Nepal. Mahendra Vidhya Bhusan (1998) by His Majesty the King of Nepal, on Recommendation of the Government of Nepal. 2065 Chitra Pahari Scientific Award for Outstanding Contribution by Authering the 2nd Best Medical Research Article (2009) by The President of Nepal.
- Expertise:** Public Health Professional with more than 13 years Teaching Experience and Half Decades Wide-Ranging Experience in 'Public Health' and 'Hospital Management' Fields. Owns First Hand Experience in Medical Education Curriculum Development for Undergraduate (MBBS, BHCM, PG-Diploma) and Post-Graduate (MPH). Owns More Than a Decade Long Experience in Scientific Writing and Publications. Catastrophic and Disaster Management. Socio-Medical and Epidemiological Studies.
- Professional Affiliation:** Die Deutsche Angestellten-Akademie GmbH (DAA), Wuppertal, Germany. National Open College, Sanepa, affiliated to Pokhara University. Journal of Nepal Medical Association.
- Correspondence:** **Mailing Address:** Dr. Ram Krishna Dulal, DrPH, MSPH, MBA-IHM, Urbecker Str. 53 A, 58675 Hemer, NRW, Germany. **Phone number/Cell:** +4917627168749. **E-mail:** dr.rkdulal@gmail.com

**616. Ram Krishna Maharjan (M; 1968; Kathmandu, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Professor, Pulchowk Campus, Institute of Engineering, Harihar Bhawan, Tribhuvan University, Pulchowk, Lalitpur.

**Past Experiences:** Professor, Pulchowk Campus, Institute of Engineering, Tribhuvan University.

**Education:** PhD in Ku-Band BPFs in Microwave Communications from Kwangwoon University, Seoul, Republic of Korea in 2008-2012. MSc in Device for Automatic Controlling Output Power in Microwave-Digital Radio Link Transmitter in Communication System from Tashkent Electro-Technical Institute of Communications, Tashkent University of Information Technology, Uzbekistan in 1993-1995. BE in Device for Automatic Controlling Output Power in Microwave-Digital Radio Link Transmitter in Communication from Tashkent Electro-Technical Institute of Communications, Tashkent University of Information Technology, Uzbekistan in 1989-1993.

**Awards:** BK21 Scholarship Award (2008-2012) by Government of Republic of Korea. Honors' Scholarship Award (2001-2002) by CSSTE-AP (Affiliated to UN), Government of India. Honors' Scholarship Award (1989-1995) by Government of Former USSR, Russia.

**Expertise:** Satellite Communications. Microstrip Antenna and BPFs Design. Digital Logic Circuits Design and Analysis.

**Professional Affiliation:** Pulchowk Campus, Institute of Engineering, Tribhuvan University. Harihar Bhawan, Pulchowk, Lalitpur.

**Correspondence:** **Mailing Address:** Department of Electronics and Computer Engineering, Pulchowk Campus, Institute of Engineering, Tribhuvan University, Pulchowk, Lalitpur, Nepal. **Phone number/Cell:** 5534070/9851232355. **E-mail:** rkmahajn@ioe.edu.np, rkmahajn@gmail.com



**617. Ram Kumar Sharma (M; 1959; Arghakhanchi, Nepal)**

**Category:** Environmental Chemistry.

**Current Affiliation:** Professor, Department of Applied Sciences and Chemical Engineering, Pulchowk Campus, IOE, TU, Lalitpur.

**Past Experiences:** Lecturer, IOE Pulchowk Campus. Reader, IOE Pulchowk Campus. Professor, IOE, Pulchowk Campus.

**Education:** PhD in Physical and Chemical Properties of Aerosol of Himalayan Region and Their Impact on Solar Radiation from Institute of Engineering, TU, Nepal in 2014. MSc in Chemistry from Kirtipur Multiple Campus, TU, Nepal in 1983. BSc in Chemistry, Zoology and Botany from Harishchandra Degree College Varanasi, UP, India in 1979.

**Awards:** Nepal Vidhya Bhusan (2073) by Government of Nepal.

**Expertise:** Atmospheric Chemistry. Environmental Chemistry.

**Professional Affiliation:** Nepal Chemical Society. IEEE Member.

**Correspondence:** **Mailing Address:** Department of Applied Sciences and Chemical Engineering, Pulchowk Campus, IOE, Lalitpur, Nepal. **Phone number/Cell:** 9851037301. **E-mail:** rksharma2002@ioe.edu.np



**618. Ram Lakhan Sah (M; 1972; Dhanusa, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Lecturer, RRM Campus, TU, Janakpur, Dhanusha, Nepal.

**Past Experiences:** Lecturer, MIT HSS, Janakpur. Lecturer, Monastic HSS, Janakpur. Lecturer, Janak Public Campus, Janakpur.

**Education:** PhD in Some Contributions to Fuzzy Functions from Lalit Narayan Mithila University, Darbhanga, Bihar, India in 2017. MSc in Mathematics from Tribhuvan University, Kirtipur, Nepal in 1998. BSc in Mathematics, Statistics from RRM, TU, Janakpur, Nepal in 1995.

**Awards:** Nepal Vidhya Bhusan (2019) by Government of Nepal.

**Expertise:** Fuzzy Functional Analysis. Mathematical Analysis. Algebra.

**Professional Affiliation:** RRM Campus, TU, Janakpur. Dhanusha Science Campus HSS, Janakpur. Health Education Institute, Janakpur.

**Correspondence:** **Mailing Address:** Campus Chowk, Janakpur-4, Dhanusha, Nepal. **Phone number/Cell:** 9844029550, 9819891455. **E-mail:** lecsahr172@gmail.com, sahramlakhan72@gmail.com.



**619. Ram Man Shreshtha (M; 1940; Kathmandu, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** President, Mathematical Sciences Trust, Nepal, Kathmandu Nepal.

**Past Experiences:** Professor of Mathematics/Rector, Tribhuvan University Nepal. Member, Upper House of the Parliament (2054 BS to 2080 BS).

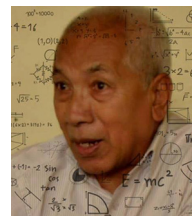
**Education:** PhD in Mathematics from Banaras University, India in 1965. MSc in Mathematics from Tribhuvan University, Nepal in 1961. BSc in Physics, Chemistry, Mathematics from Patna University, India in 1959.

**Awards:** Humboldt Fellow (1979) by Alexander Humboldt Foundation Germany. Senior Associate (1976) by ICTP (Italy). Fellow (IAPS) (2017) by International Academy of Physical Sciences (India).

**Expertise:** Mathematics and Mathematical Sciences. Mathematics Curriculum Development.

**Professional Affiliation:** Academician, Nepal Academy of Sciences and Technology, Nepal. Mathematical Sciences Trust, Nepal. Nepal Mathematical Society, Nepal.

**Correspondence:** **Mailing Address:** 1196 Surya Bikram Gyawali Marga, Old Baneshwor, Kathmandu-31, Nepal. **Phone number/Cell:** 014473450/9841311855. **E-mail:** rms916@gmail.com



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**620. Ram Nath Prasad Yadav (M; 1961; Rautahat, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Professor, Thakur Ram Multiple Campus, Birganj, Parsa, Nepal.

**Past Experiences:** Assistant Lecturer, TRM Campus. Lecturer, TRM Campus. Reader, TRM Campus.

**Education:** PhD in Chemistry, Synthesis, Characterization, Antitumour Activity of Some New Organoantimony Derivatives from Lucknow, India in 2005. MSc in Chemistry from Tribhuvan, Nepal in 1989. BSc in Chemistry, Zoology, Botany from Bihar, India in 1985.

**Correspondence:** **Mailing Address:** Department of Chemistry, TRM Campus, Birganj, Nepal. **Phone number/Cell:** 9845022457. **E-mail:** ramnathy@rocketmail.com



**621. Ram Prasad Awal (M; 1983; Bhaktapur, Nepal)**

**Category:** Microbiology and Molecular Biology.

**Current Affiliation:** Post-Doc, University of Bayreuth, Universität Bayreuth Lehrstuhl für Mikrobiologie Gebäude NW I Universitätsstraße 30 95447 Bayreuth.

**Past Experiences:** PhD Student, Institute for Pharmaceutical Research Saarland (HIPS), Saarland University, Helmholtz. Research Associate, School of Medicine and Dentistry, College of Life Sciences and Medicine, University of Aberdeen.

**Education:** PhD in Novel Myxobacteria as a Potential Source of Natural Products and Description of Inter-Species Nature of C-signal from Helmholtz Institute for Pharmaceutical Research Saarland (HIPS), Saarland University, Germany in 2016. MSc in Method for Investigating Toll-Like Receptor 1 Iso602Ser (T1805G) Polymorphism Associations with Tuberculosis in Nepalese Patients from Tribhuvan University, Central Department of Microbiology, Nepal in 2011. BSc in Microbiology from Tri-Chandra Campus, Tribhuvan University, Nepal in 2005.

**Awards:** DAAD PhD Fellowship (2012-2015) by German Academic Exchange Service (DAAD). HZI Fellowship (2015-2016) by Helmholtz Centre for Infection Research (HZI).

**Expertise:** Myxobacteria. Magnetotactic Bacteria. Natural Products.

**Correspondence:** **Mailing Address:** Pfaffenkopfstr, 24, 66125 Saarbrücken, Germany. **Phone number/Cell:** +4917687770652. **E-mail:** awal.ramprasad@gmail.com



**622. Ram Prasad Bhusal (M; 1983; Rupandehi, Nepal)**

- Category:** Medicinal Chemistry. Biochemistry.
- Current Affiliation:** Research Fellow, Department of Biochemistry and Molecular Biology and Infection and Immunity Program, Monash Biomedicine Discovery, Monash University, Clayton, Australia
- Past Experiences:** Lecturer, Crimson College of Technology (Affiliated to Pokhara University). Visiting Faculty, Universal College of Medical Sciences (Affiliated to Tribhuvan University). Research and Development Officer, Asian Pharmaceutical Pvt Ltd.
- Education:** PhD in Chemistry-Biochemical and Structural Studies of *Mycobacterium tuberculosis* Isocitrate Lyase from The University of Auckland, New Zealand in 2019. MSc in Pharmacy-Studies on The Synthesis and Evaluation of Green and Red Emitting Fluorescent from Wonkwang University, Korea in 2011. BSc in Pharmacy from Pokhara University, Nepal in 2007.
- Awards:** Monash Bridging Post-Doctoral Fellowship (2019) by Monash University. The University of Auckland Doctoral Scholarship (2014) by The University of Auckland. Deans award for Excellence in Undergraduate Study (2007) by Pokhara University.
- Expertise:** Organic and Bio-physical Chemistry. Protein Chemistry and Enzymology. Structure Biology.
- Professional Affiliation:** Monash BDI ECR Committee Representative, Australia. American Chemical Society Member, USA. New Zealand Chemical Society Member, New Zealand.
- Correspondence:** **Mailing Address:** 3/56 Henry Street, Oakleigh 3166. **Phone number/Cell:** +61420353007. **E-mail:** ram.bhusal@monash.edu



**623. Ram Prasad Ghimire (M; 1967; Kanchanpur, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Professor, Department of Mathematics, School of Sciences, Kathmandu University, Dhulikhel, Kavre.

**Past Experiences:** Assistant Professor, Kathmandu University. Associate Professor, Kathmandu University. Professor, Kathmandu University.

**Education:** PhD in Queueing and Reliability theory from HNB Garhwal University, India in 1997. MSc in Operations Research (Mathematics) from HNB Garhwal University, India in 1992. BSc in Physics, Chemistry, Mathematics from HNB Garhwal University, India in 1990.

**Awards:** Shikshya Purashkar (2012) by Ministry of Education.

**Expertise:** Queueing and Reliability Theory. Mathematical Modelling. Ordinary Differential Equations and Partial Differential Equations and Their Numerical Computations.

**Professional Affiliation:** Department of Mathematics, School of Sciences, Kathmandu University. Associate Academician, NAST.

**Correspondence:** **Mailing Address:** Department of Mathematics, School of Sciences, Kathmandu University, Dhulikhel, Kavre, Nepal. **Phone number/Cell:** 9849011772. **E-mail:** rpghimire@ku.edu.np, ghimirp2004@gmail.com



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**624. Ram Prasad Khatiwada (M; 1962; Jhapa, Nepal)**

**Category:** Statistics.

**Current Affiliation:** Dean, Professor, Institute of Science and Technology, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Professor, Central Department of Statistics, TU. Associate Professor, Central Department of Statistics, TU. Lecturer, Central Campus of Technology, Dharan.

**Education:** PhD in Statistics-Bayesian Modelling Approaches on Quality Control from Tribhuvan University, Nepal in 2011. MSc in Statistics from Tribhuvan University, Nepal in 1990. BSc in Physics/Mathematics/Statistics from Tribhuvan University, Nepal in 1986.

**Awards:** Nepal Vidhya Bhusan (2013) by Government of Nepal. PhD Award (2008) by NAST.

**Expertise:** Bayesian Inference and Bayesian Modelling. Statistical Quality Control. Industrial Statistics and Reliability. Environmental and Ecological Statistics.

**Professional Affiliation:** Member, Academic Council and Executive Council of Tribhuvan University. Member, International Society of Bayesian Analysis (ISBA), Member, Indian Bayesian Society (IBS). General Secretary, Nepal Statistical Society.

**Correspondence:** **Mailing Address:** Dean's Office, IoST, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 014332738/ 9851172978. **E-mail:** ram@tuiost.edu.np, ramktd@gmail.com



**625. Ram Sharan Mehta (M; 1962; Sunsari, Nepal)**

**Category:** Nursing.

**Current Affiliation:** Professor and Head, BP Koirala Institute of Health Sciences, Dharan SubMetropolitan-18, Sunsari, Nepal.

**Past Experiences:** Profesora and Head, BP Koirala Institute of Health Sciences. Additional Proffessor, BP Koirala Institute of Health Sciences. Associate Professor, BP Koirala Institute of Health Sciences.

**Education:** PhD in Home-based Care to the People Living with AIDS and their Effects on the Family in Eastern Rural Nepal: An Aspects Analysis from Tribhuvan University, Nepal in 2011. MSc in Medical-Surgical Nursing-Effectiveness of Maintaining Oral Hygiene Nursing Care Among Self-Care Deficit Patient from Punjab University, PGIMER, India in 2002. BSc in Medical-Surgical Nursing-Knowledge and Practice of Health Hazards Among the Nurses Working in the General Wards of TUTH from Tribhuvan University, Nepal in 1997.

**Awards:** Mahendra Vidhya Bhusan 'Ka' (2013) by President of Nepal. Mahendra Vidhya Bhusan 'Ga' (2000) by King of Nepal, King Birendra Bir Bikram Shah. Vice-Chancellor Gold Medal (1997) by Education Minister of Nepal.

**Expertise:** HIV AIDS Patient Service, Nursing Education, Research and Service. CKD and Dialysis. Crititcal Care and Dialysis.

**Professional Affiliation:** Nursing Association of Nepal. Asian Association of Cardiac Nurses. Nepal Nursing Council.

**Correspondence:** **Mailing Address:** Medical-Surgical Nursing Department, College of Nursing, BPKIHS, Dharan, Nepal. **Phone number/Cell:** 9842040537. **E-mail:** ramsharanmehta@gmail.com



**626. Rama Mohan Pokhrel (M; 1976; Kaski, Nepal)**

**Category:** Engineering Geology.

**Current Affiliation:** Senior Research Associate, University of Bristol, United Kingdom.

**Past Experiences:** Post-Doctoral Research Fellow, The University of Tokyo, Japan. Senior Research Fellow, Yokohama National University, Japan. Doctoral Fellow, Saitama University, Japan.

**Education:** PhD in Earthquake Liquefaction and its Zoning from Saitama University, Japan in 2011. MSc in Engineering Geological Techniques from Tribhuvan University, Nepal in 2004. BSc in Geology from Tri-Chandra Campus, Tribhuvan University, Nepal in 2001.

**Awards:** Young Scientist Award (2013) by Nepal Academy of Science and Technology (NAST). Nepal Vidhya Bhusan 'Ka' (2012) by Government of Nepal. Best Paper Presentation Award (2010 and 2011) by Japan Society of Civil Engineers (JSCE).

**Expertise:** Geotechnical Earthquake Engineering. Geo-Disaster Mitigation Engineering. Geophysics.

**Professional Affiliation:** Life Member, Nepal Geological Society. Member, International Association of Engineering Geology. International Member, Japan Society of Civil Engineers.

**Correspondence:** **Mailing Address:** 20 Third Avenue. **Phone number/Cell:** 07341903625. **E-mail:** pokhrelmohan@gmail.com



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**627. Ramakanta Lamichhane (M; 1985; Kaski, Nepal)**

**Category:** Natural Products Chemistry. Diabetes.

**Current Affiliation:** Research Professor, The Catholic University of Korea, Gyeonggi-Do, 14662, Korea.

**Past Experiences:** Post-Doctorate, Wonkwang University. Lecturer, Bhageshwor Academy of Health Science.

**Education:** PhD in Natural Product Chemistry from Wonkwang University, Korea in 1917. MSc in Natural Product Chemistry from Wonkwang University, Republic of Korea in 2014. B Pharmacy from Pokhara University, Nepal in 2009.

**Awards:** Korean Government Scholaship (2010) by South Korea.

**Expertise:** Natural Product Isolation and Identification. Herbal Medicine. Diabetes.

**Professional Affiliation:** The Catholic University of Korea. Wonkwang University. Pokhara University.

**Correspondence:** **Mailing Address:** The Catholic University of Korea, 43 Jibong-Ro, Bucheon-Si, Gyeonggi-Do, 14662, Korea. **Phone number/Cell:** +821028937353. **E-mail:** clickrama@hotmail.com



**628. Ramchandra Yadav (M; 1970; Dhanusa, Nepal)**



- Category:** Plant Entomology.
- Current Affiliation:** Senior Agriculture Development Officer (10th Level), Agriculture Knowledge Center, Birganj, Parsa.
- Past Experiences:** Plant Protection Officer (Gazetted Class III), DADO Dailekh, Dhanusha, Sunsari, Saptari. Senior Plant Quarantine Officer (Gazetted Class II), Plant Quarantine, Kathmandu Airport. Senior Agriculture Development Officer (10th Level in Province), DADO Siraha, Saptari, Agriculture Knowledge Center, Birganj, Parsa.
- Education:** PhD in Entomology-Using Life Table, Monitoring, and Economic Threshold to Study The Integrated Pest Management of Thrips Palmi Karny in Field Condition from National Pintung University of Science and Technology, Taiwan in 2013. MSc in Entomolgy-Monitoring and Management of Okra Jassid (*Amrasca biguttula biguttula* Ishida) with Botanicals, Biological and Chemical Insecticide in Sonapara, Dhanusha, Nepal from Institute of Agriculture and Animal Sciences Rampur, Chitwan, Nepal in 2007. BSc in Agricultural Economics from Institute of Agriculture and Animal Sciences Rampur, Chitwan, Nepal in 1993.
- Awards:** Scholarship Award for Master (2005) and PhD Program (2010) by IPM Program/PPD/MOAD Nepal, Ministry of Education (MOE) Taiwan. Outstanding Research Performance Award (2013) by National Pintung University of Science and Technology, Taiwan. Nepal Vidhya Bhusan Class 'A' Medals and Certificates (2014) by Ministry of Education Nepal.
- Expertise:** Agriculture Development of Programme, Planning, Monitoring and Evaluation. Research Design. Project Proposal Writing and Report Writing. Working Knowledge of SAS, SPSS. Resource IPM Trainer for Season. Long Training of Integrated Pest Management in Different Crop (Rice, Vegetable, Potatoes). Insect Pest, Disease, Weeds, Rodents, Mushroom, Apiculture, Sericulture and Their Management and Facilitation Skill for any Agriculture Training.
- Professional Affiliation:** Plant Quarantine, International Airport, Kathmandu. District Agriculture Development Office, Siraha. Agriculture Knowledge Center, Birganj, Parsa.
- Correspondence:** **Mailing Address:** Laxminiya-4, Sapahi, Nepal. **Phone number/Cell:** +9779844026200/9844311333. **E-mail:** yadavrc2011@gmail.com

**629. Ramesh Guragain (M; 1973; Taplejung, Nepal)**

- Category:** Earthquake Engineering.
- Current Affiliation:** Deputy Executive Director, National Society for Earthquake Technology-Nepal (NSET), Lalitpur.
- Past Experiences:** Divisional Director, NSET. Senior Earthquake Engineer, NSET. Civil Engineer, NSET.
- Education:** PhD in Development of Earthquake Risk Assessment System for Nepal from The University of Tokyo, Japan in 2015. MSc in Earthquake Engineering-Numerical Simulation of Masonry Structures for Cyclic Loading using Applied Element Method from The University of Tokyo, Japan in 2006. BE in Civil Engineering-Structural Analysis and Design of 5 Stories Hospital Building in Nepal from Institute of Engineering, Tribhuvan University, Pulchowk, Nepal in 1998.
- Awards:** Nepal Vidhya Bhushan 'Ka' (2016) by President of Nepal. Furuichi Award (2006) by The University of Tokyo.
- Expertise:** Seismic Retrofitting. Earthquake Risk Assessment. Seismic Risk Mitigation and Management.
- Professional Affiliation:** Member, Nepal Engineering Council. Life Member, Nepal Engineers Association. Life Member, National Society for Earthquake Technology-Nepal (NSET).
- Correspondence:** **Mailing Address:** Madhyapur Thimi-3, Gatthaghar, Bhaktapur, Nepal. **Phone number/Cell:** 016638861/9851075408. **E-mail:** rguragain@nset.org.np



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**630. Ramesh Kumar Joshi (M; 1966; Dadeldhura, Nepal)**

- Category:** Statistics.
- Current Affiliation:** Associate Professor, Tri-Chandra Multiple Campus, Tribhuvan University, Kathmandu.
- Past Experiences:** Lecturer, Tri-Chandra Multiple Campus, Saraswati Sadan, Kathmandu. Assistant Lecturer (Part Time), Tri-Chandra Multiple Campus, Kathmandu.
- Education:** PhD in The Analysis of some statistical Models from Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur, UP, India in 2018. MSc in Statistics from Tribhuvan University, Nepal in 1992. BSc in Statistics, Physics, Mathematics from Tribhuvan University, Nepal in 1989.
- Awards:** National Education Award and Medal (2009) by Ministry of Education. Government of Nepal. Nepal Vidhya Bhushan 'Ka' (2019 ) by Honorable President of Nepal on The Occasion of National Education Day, Ministry of Education, Science and Technology, Government of Nepal.
- Correspondence:** **Mailing Address:** Department of Statistics, Tri-Chandra Multiple Campus, Saraswati Sadan, Kathmandu, Nepal. **Phone number/Cell:** 9851029626. **E-mail:** rmshjoshi@gmail.com



**631. Ramesh Kumar Maskey (M; 1959; Morang, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Academician, Nepal Academy of Science and Technology, Khumaltar, Lalitpur.

**Past Experiences:** Associate Dean, School of Engineering, Kathmandu University, Nepal. Research Scientist, Institute of Hydraulics and Agriculture Engineering, University of Karlsruhe, Germany. Civil Engineer of Arun- III Hydroelectric Project, Nepal Electricity Authority, Nepal.

**Education:** DSc in Civil Engineering Science from University of Karlsruhe, Institute of Hydraulics and Agriculture Engineering, Germany in 2004. MSc in Civil Engineering with specialization in Hydropower Engineering from Belorussian Polytechnical Institute, Minsk, Belarus in 1987. Associate Degree in Electrical Engineering from Institute of Engineering, Pulchowk, Nepal in 1979.

**Awards:** International Development Marketplace (2005) by World Bank. Ashden Award (2009) by Ashden Award by Prince Charles. Nepal Development Marketplace (2010) by World Bank, Poverty Alleviation Fund.

**Expertise:** Civil Structural Engineering. Hydropower Engineering. Electrical Engineering.

**Professional Affiliation:** Project Development Specialist, Madan Bhandari University of Science and Technology Board, Nepal. President, Nepal German Academic Association, Nepal. President, Goethe Center Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Upahar Marg, Tusal-4, Baluwatar, Maharajung. **Phone number/Cell:** 9851102669. **E-mail:** drrameshma@gmail.com, ramesh.maskey@nast.gov.np.



**632. Ramesh Man Singh (M; 1950; Kathmandu, Nepal)**

**Category:** Chemical Engineering.

**Current Affiliation:** Executive Member, Centre for Energy and Environment Nepal, Bhote Bahal-224, Kathmandu-11, Nepal.

**Past Experiences:** Chief Technical Officer (Special Class), Nepal Academy of Science and Technology (NAST). Vice-Chairman, Centre for Energy and Environment Nepal (CEEN).

**Education:** PhD in Polymer Synthesis and Process Engineering from Moscow Institute of Chemical Technology, Russian Federation in 1982. ME in Plastic Technology from Moscow Institute of Chemical Technology, Russian Federation in 1978.

**Awards:** Mahendra Vidhya Bhusan (1984) by His Majesty's Government of Nepal. NAST Deergha Sewa Padak (Long Service Medal) (2009) by Nepal Academy of Science and Technology (NAST). Danyahira Bigyan Prabidhi Sirapha (Danyahira Science and Technology Award) (2016) by Nepal Bhasa Academy.

**Expertise:** Plastic Technology (Polymer Synthesis and Process Engineering). Renewable Energy (Biomass and Briquetting).

**Professional Affiliation:** Life Member, Nepal Chemical Society. Member, Nepal Engineers' Association. Life Member, Executive Committee, Center for Energy and Environment Nepal (CEEN).

**Correspondence:** **Mailing Address:** Bhote Bahal-224, Kathmandu-11, Nepal. **Phone number/Cell:** 4222930/9841282601. **E-mail:** rameshmsingh@hotmail.com, rameshmsingh2003@yahoo.com



**633. Ramesh Prasad Bhatt (M; 1970; Baitadi, Nepal)**



- Category:** Ecology. Environmental Science and Engineering. Biological Science. NRM.
- Current Affiliation:** Environmental Specialist, ADB LOAN-3157 NEP: TSTSSSP-Individual Consultant, Design Review and Technical Audit Consultants (35173-013), Panipokhari, Kathmandu, Nepal.
- Past Experiences:** Environmental Assessment Advisor, Decentralized Rural Infrastructure and Livelihood Project (DRILP-II), Central Implementation Support Consultant (CISE), EEAP/CISE/DRILP-III, AF-ITECO AG, 8910 Affoltern a A; Switzerland, Ekantakuna, Kathmandu, Nepal. Expert, Curriculum Development Centre, Pokhara University, Nepal, Kathmandu, Nepal. Research Associate, Kathmandu University, Department of Environmental Science and Engineering.
- Education:** PhD in Environmental Science-Ecological Impacts and Implications of EIA Studies from School of Science, Department of Environmental Science and Engineering, Kathmandu University, Nepal in 2012. MSc in Forest Ecology from Kumaun University, Nainital, India in 1997. BSc in Biological Science from Kumaun University, Nainital, India in 1994.
- Awards:** Nepal Vidhya Bhusan Class A (2013) by President of Nepal. PhD Fellowship, Biological Sciences (2008) by Nepal Academy of Science and Technology (NAST), Nepal. Member (2017) by Government of Nepal/ Nepal Reconstruction Authority (NRA).
- Expertise:** Ecological and Environmental Assessment. Biodiversity Conservation and Management. Environmental Management and Climate Change.
- Professional Affiliation:** Ministry of Forest and Environment, Singhdurbar, Kathmandu, Nepal. Ministry of Energy/Department of Electricity Development, Sanogaucharan, Kathmandu, Nepal. Nepal Reconstruction Authority (NRA), Singhdurbar, Kathmandu, Nepal.
- Correspondence:** **Mailing Address:** Budhanilkhantha-6, Kathmandu, Nepal. **Phone number/Cell:** +9779841395517. **E-mail:** drrameshbhatta@gmail.com.

**634. Ramesh Prasad Sah (M; 1976; Sunsari, Nepal)**



**Category:** Veterinary Science.

**Current Affiliation:** Scientist, Nepal Agricultural Research Council (NARC), Agricultural Research Station, Pakhribas, Dhankuta, Nepal.

**Past Experiences:** Production Manager, Purbanchal Poultry Pvt Ltd. Lecturer, HICAST. Livestock Instructor, CTEVT.

**Education:** PhD in Epidemiology and Molecular Detection of *Toxoplasma gondii* in selected Districts in Bangladesh and Nepal from Bangladesh Agricultural University, Bangladesh in 2018. MSc in Veterinary Medicine from Bangladesh Agricultural University, Bangladesh in 2007. BVSc&AH in Veterinary Science and Animal Husbandry from Tribhuvan University, Nepal in 1999.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2019) by President, Ministry of Education. Oral Paper Presentation (2019) by Asian Regional Goat Conference. Oral Paper Presentation (2018) by International Buffalo and Poultry Conference.

**Expertise:** Molecular Investigation Techniques. PCR Serological Tests. ELISA, Rapid Tests. Research on Veterinary Science. Zoonotic Diseases as Scientist and Treatment of Animals as Physician.

**Professional Affiliation:** Society of Agricultural Scientist Nepal (SAS-N). Member, Executive Committee, NARC. General Member, Nepal Veterinary Council Regd. No. 248. Life Member, Nepal Veterinary Association, Regd. No. 209 L.

**Correspondence:** **Mailing Address:** Agricultural Research Station, Pakhribas, Dhankuta, NARC, Nepal. **Phone number/Cell:** 9804347938. **E-mail:** rpsnarc@yahoo.com

**635. Ramesh Prasad Sapkota (M; 1979; Achham, Nepal)**

**Category:** Ecology.

**Current Affiliation:** Assistant Professor, Central Department of Environmental Science, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Assistant Professor, Amrit Campus, Tribhuvan University.

**Education:** PhD in Ecology from University of Wyoming, United States in 2014-2018. MSc in Environmental Science from Tribhuvan University, Nepal in 2001-2003. BSc in Environmental Science from Tribhuvan University, Nepal in 1999-2001.

**Awards:** Nielson Graduate Excellence Fellowship (2017) by University of Wyoming. Restoration and Reclamation Center Scholarship (2015 and 2016) by University of Wyoming. Raj Vaidya Damodar Das Memorial Medal (2001) by Viswa Niketan Science Campus.

**Expertise:** Ecology. Restoration Ecology. Quantitative Field Data Analysis.

**Correspondence:** **Mailing Address:** Central Department of Environmental Science, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 9841297295. **E-mail:** sapkotaramesh@hotmail.com



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**636. Ramesh Raj Pant (M; 1981; Darchula, Nepal)**

**Category:** Environmental Science.

**Current Affiliation:** Assistant Professor, Central Department of Environmental Science, Kathmandu Nepal.

**Past Experiences:** Lecturer, Janapriya Multiple Campus, Pokhara.

**Education:** PhD in Hydrogeochemistry from Chinese Academy of Sciences, Nepal in 2018. MSc in Environmental Sciences from Tribhuvan University, Nepal in 2005. BSc in Environmental Science from Tribhuvan University, Nepal in 2003.

**Awards:** Vidhya Bhusan 'Ka' (2019) by Government of Nepal.

**Expertise:** Environmental Science. Hydrogeochemistry. Environmental Policies.

**Professional Affiliation:** Tribhuvan University. Pokhara University.

**Correspondence:** **Mailing Address:** Kirtipur-4, Kathmandu, Nepal. **Phone number/Cell:** 9869277847. **E-mail:** rpant@cdes.edu.np



**637. Ramila Shilpakar (Dongol) (F; 1986; Kathmandu, Nepal)**

**Category:** Medical Oncology.

**Current Affiliation:** Senior Consultant, Bir Hospital, Mahaboudha, Kathmandu, Nepal.

**Past Experiences:** Medical Officer, Government of Nepal. Lecturer, College of Medical Sciences, Bharatpur, Nepal.

**Education:** DM in Efficacy of Morphine Vs Tramadol in Control of Moderate Cancer Pain from National Academy of Medical Sciences (NAMS), Bir Hospital, Nepal in 2019. Simplified Acute Physiology Score for Prognosis in Sepsis from Kathmandu University, Nepal in 2014.

**Awards:** Ratna Vidhya Bhusan (2001) by Queen Komal Rajya Laxmi. Excellence Award (2009) by College of Medical Sciences. SLC Board First Among Girls (2001) by Everest English School.

**Expertise:** Medical Oncology. Internal Medicine.

**Professional Affiliation:** National Academy of Medical sciences (NAMS), Bir Hospital.

**Correspondence:** **Mailing Address:** Ramghat, Bhimsenthan, Kathmandu-20, Nepal. **Phone number/Cell:** 9841477307. **E-mail:** ramilashilpakardangol@gmail.com



**638. Ramita Manandhar (F; 1961; Kathmandu, Nepal)**

**Category:** Agriculture.

**Past Experiences:** Chief, National Centre for Fruit Development. Program Director, Vegetable Development Directorate. Program Director, Fruit Development Directorate.

**Education:** PhD in Agriculture-Spatial-Temporal Analysis of Land Use and Land Cover Transitions in A Regional Centre and its Precinct from The University of Sydney, Australia in 2011. MSc in Agriculture Systems-Biomass and Naccumulation of Three Green Manure Crops as Affected by Soil Moisture, Seed Rate and Duration of Cultivation from Asian Institute of Technology, Thailand in 1993. BSc in Agriculture from Kerala Agriculture University, India in 1986.

**Awards:** Prize of Honor for Excellent Performance The Fiscal Year (FY 2004/05, and FY 2013/14) by Ministry of Agriculture, The Government of Nepal. Endeavour International Postgraduate Research Scholarship (2010) by The Australian Government Scholarship to Pursue PhD in the University of Sydney. NORAD Fellowship (1992) by NORAD Fellowship to Masters of Science in Agricultural Systems in Asian Institute of Technology, Bangkok.

**Expertise:** Horticulture. GIS and Remote Sensing. Soil Science.

**Professional Affiliation:** Life member, Nepal Horticulture Society. Life member, Nepal Agriculture Federation.

**Correspondence:** **Mailing Address:** 260/13, Aadarsha Tol, Kusunti, Lalitpur-13, Nepal. **Phone number/Cell:** 5193667/9849550550. **E-mail:** ramitaman@yahoo.com/ramital136@gmail.com



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**639. Ranjan Kumar Singh (M; 1968; Saptari, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Lecturer, RRM Campus, Janakpur, Dhanusha.

**Past Experiences:** Coordinator, Central Engineering College, Janakpur. Lecturer, Model Multiple Campus, Janakpur. Head Department, BSc, CSIT, RRR Campus, Janakpur.

**Education:** PhD in Mathematics-Investigation in The Theory of Some Topological and Uniform Spaces from Patna University, Patna, Bihar, India in 2018. MA from Magadh University, India in 1991. BSc in Mathematics from Magadh University, India in 1989.

**Awards:** Vidhya Bhusan 'Ka' (2019) by President of Nepal.

**Expertise:** Thakur Ram Campus Birganj. Matihani Campus.

**Correspondence:** **Mailing Address:** RRM Campus, Dhanusha, Nepal. **Phone number/Cell:** 9844037988. **E-mail:** ranjankumarsingh201@gmail.com



**640. Ranjan KC (M; 1977; Lalitpur, Nepal)**

**Category:** Medicine.

**Current Affiliation:** Research Associate, The Children's Hospital of Philadelphia, 3615 Civic Center Boulevard, Philadelphia, PA 19104.

**Past Experiences:** Post-Doctoral Research Associate, Rush University.

**Education:** PhD in Medicine, Study on Cytoprotective and Tissue-Regenerative Function of Clusterin in Acute Pancreatitis Model from Inha University, Republic of Korea in 2010. MSc in Microbiology-Enteropathogens Associated with Acute Diarrhea in Patients Visiting National Public Health Laboratory, Teku from Tribhuvan University, Nepal in 2003. BSc in Microbiology from Tribhuvan University, Nepal in 2000.

**Awards:** Brain Korea 21 Scholarship (2007) by Inha University.

**Expertise:** Molecular and Cell Biology. Genetics.

**Professional Affiliation:** Orthopedic Research Society, 9400 West Higgins Road, Suite 225 Rosemont, IL 60018-4976.

**Correspondence:** **Mailing Address:** 7400 Haverford Ave, Apt W202, Philadelphia, PA 19151. **Phone number/Cell:** 7087378313. **E-mail:** reply2ranjan@gmail.com



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**641. Ranjana Gupta (F; 1957; Dhanusa, Nepal)**

**Category:** Parasitology.

**Current Affiliation:** Professor, Centre Department of Zoology, TU, Kirtipur.

**Past Experiences:** Consultant Parasitologist, DoHS, EDCD-The Globalfund. Science Coordinator, Nepal National Commission for UNESCO. Member, Science and Technology Cluster Committee, UGC.

**Education:** PhD in An Ecological Approach to The Study of Helminth Infections in two Commonly Available Vertebrates (Fish and Fowl) of Kathmandu and Its Suburbs from Patna University, India in 1996. MSc in Zoology from Patna University, India in 1979. BSc in Zoology from Patna University, India in 1977.

**Awards:** National Education Award (1989-2009) by Government of Nepal. Mahendra Vidhya Bhusan (1998) by Government of Nepal, Nepal. Deergha Sewa Padak (Long Service Medal) (2010) by VC, TU.

**Expertise:** Medical Parasitology. Veterinary Parasitology. Cestodes.

**Professional Affiliation:** Member, TU Senate. Head, Central Department of Zoology, TU Member, Biological Society, NAST.

**Correspondence:** **Mailing Address:** Hariranjana Kunja-1, Tyanglaphant, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 014333133/9841362343. **E-mail:** drgupata.ohm@gmail.com



**642. Ranjit Shrestha (M; 1984; Arghakhanchi, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Researcher, Kongju National University, Cheonan, South Korea.

**Past Experiences:** Energy Development Officer, AEPC. Service Engineer, Morang Auto Works. 3D CAD Engineer, E and T Nepal.

**Education:** PhD in Mechanical Engineering-Infrared Imaging of Structural Components with Data Fusion for High Defect Detectability from Kongju National University, Republic of Korea in 2019. MSc in Mechanical Engineering-A study on Quantitative Subsurface Defect Evaluation of Stainless Plate using Infrared Thermography from Kongju National University, Republic of Korea in 2015. BSc in Mechanical Engineering-Design, Fabrication and Testing of 2.7 m<sup>2</sup> Scheffler Reflector from Kathmandu University, Nepal in 2008.

**Awards:** Best Graduate Researcher Award (2019) by Department of Mechanical Engineering, Kongju National University, Cheonan, Korea. Best Paper Presentation Award (2018) by Korean Society for Non-Destructive Testing, Korea. Best Paper Presentation Award (2015) by Korean Society for Non-Destructive Testing, Korea.

**Expertise:** Non-destructive Testing and Evaluation. Design and Modelling. Renewable Energy.

**Professional Affiliation:** Journal Reviewer, Infrared Physics and Technology. President, Korean Society of Non-Destructive Testing. Nepal Engineering Council.

**Correspondence:** **Mailing Address:** Purano Bus-park, Chutrabesi, Sandhikharka-2, Arghakhanchi, Nepal. **Phone number/Cell:** 9857063025. **E-mail:** sthranjit@gmail.com



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**643. Rasbin Basnet (M; 1986; Ramechhap, Nepal)**

**Category:** Crop Genetics and Breeding.

**Current Affiliation:** Researcher, Zhejiang University, China, Hangzhou.

**Past Experiences:** Curriculum Development Officer, Huobo Education, China. Project Manager, Nepal Seed Production Center, Nepal. Science Technician, Moseley College, UK.

**Education:** PhD in Crop Genetics and Breeding from Zhejiang University, China in 2019. MSc in Agricultural Biotechnology from University of Wolverhampton, United Kingdom in 2010. BSc in Microbiology from Tribhuvan University, Nepal in 2008.

**Awards:** Best Presentation Award (2019) by International Research Conference.

**Expertise:** Genome Editing in Plants. Tissue Culture. Hydroponics.

**Correspondence:** **Mailing Address:** Siddha Marg-80, Koteswor, Kathmandu, Nepal. **Phone number/Cell:** 9841949306. **E-mail:** 11416095@zju.edu.cn



**644. Rashila Deshar (F; 1979; Lalitpur, Nepal)**

**Category:** Environmental Science.

**Current Affiliation:** Assistant Professor, Central Department of Environmental Science, Kirtipur, Kathmandu.

**Past Experiences:** Assistant Professor and Coordinator of Master in Natural Resource Management, Nepal Engineering College.

**Education:** PhD in Forest Ecology from University of Ryukyus, Japan in 2012. MSc in Environmental Science from Central Department of Environmental Science, Tribhuvan University, Nepal in 2003. BSc in Environmental Science from Tribhuvan University, Nepal in 2001.

**Awards:** Young Scientist Award (2014) by Nepal Academy of Science and Technology.

**Expertise:** Forest Ecology. Tree Allometry. Allometric Model. Carbon Sequestration. Climate Change. Water Governance. Biodiversity. Mountain Environment.

**Professional Affiliation:** Central Department of Environmental Science, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 9840061805. **E-mail:** rdeshar@cdes.edu.np



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**645. Rashmi Adhikari (F; 1988; Bhaktapur, Nepal)**

**Category:** Biochemistry and Molecular Biology.

**Current Affiliation:** Post-Doctoral Research Scientist, University of Michigan, Medical School, 1150 W Medical Center Dr, Ann Arbor, MI 48109.

**Past Experiences:** Research Associate, Michigan Technological University. GRA/GTA, Michigan Technological University. Internship, OM Hospital and Research Center.

**Education:** PhD in Characterizing the Physicochemical Properties of TDP-43 Protein and Acetylated Amyloid ? Peptides to Discern its Role in Neurodegenerative Diseases from Michigan Technological University, United States in 2019. BSc in Biochemistry from National College for Advanced Learning (NACAL), United States in 2011.

**Awards:** Outstanding Graduate Student Teaching Award (2018) by Graduate School, Michigan Tech University. Outstanding Upper-Division Chemistry Teaching Assistant Award (2018) by Chemistry and Biochemistry Dept, MTU. Endowed Graduate Fellowship (2018) by Chemistry and Biochemistry Dept, MTU.

**Expertise:** Protein Expression, Purification and Characterization. Cell Culture (Insect, Mammalian, Bacterial). Immunocytochemistry, Live Cell Imaging and Toxicity Assays.

**Professional Affiliation:** Michigan Technological University. University of Michigan, Medical School.

**Correspondence:** **Mailing Address:** 1102 Maiden Ln Ct 106, Ann Arbor, MI, 48105. **Phone number/Cell:** 9195920868. **E-mail:** arashmi@med.umich.edu



**646. Ratna Kumar Jha (M; 1966; Mahottari, Nepal)**

**Category:** Entomology.

**Current Affiliation:** Senior Plant Protection Officer, Ministry of Land Management, Agriculture and Cooperative, Agriculture Development Directorate, Naktajhij, Dhanusha.

**Past Experiences:** Senior Plant Protection Officer, Plant Quarantine and Pesticide Management Centre, Harihar Bhawan. Training Specialist, FAO Technical Assistance to Agriculture and Food Security Project, Government of Nepal. Senior Plant Quarantine Officer, National Plant Quarantine Program, Harihar Bhawan, Lalitpur.

**Education:** PhD in Entomology from National Chung Hsing University, Taichung, Taiwan in 2012. MSc in Natural Resource Management from Pokhara University, Nepal in 2003. BSc in Agriculture from IAAS, Tribhuvan University, Nepal in 1988.

**Awards:** Nepal Vidhya Bhusan (2013) by Honorable President of the Federal Democratic Republic of Nepal. Certificate of Excellence (2002) by Department of Agriculture, Government of Nepal.

**Expertise:** Arthropod Demography (Age-Stage, Two-sex Life Table). Agroecology and Integrated Pest Management. Farmer's Education Through Farmer Field School (FFS) Approach.

**Professional Affiliation:** Life Member, Indian Society for Ecological Economics (INSEF). Life Member, The Plant Protection Society, Nepal (PPSN). Life Member, Nepal Red Cross Society, Nepal.

**Correspondence:** **Mailing Address:** Agriculture Development Directorate, Naktajhij, Dhanusha, Nepal. **Phone number/Cell:** 9854020063/9851247191/9841236604. **E-mail:** jharatna@gmail.com



**647. Raunak Man Shrestha (M; 1987; Lalitpur, Nepal)**

**Category:** Bioinformatics. Computational Biology. Data Science. Cancer Biology. Genomics. Biotechnology.

**Current Affiliation:** Post-Doctoral Research Scholar, University of California, San Francisco (UCSF), UCSF Helen Diller Family Comprehensive Cancer Center, University of California, San Francisco, USA.

**Past Experiences:** Post-Doctoral Research Scholar, University of British Columbia/Vancouver Prostate Centre, Vancouver, BC, Canada. PhD Scholar, University of British Columbia/Vancouver Prostate Centre, Vancouver, BC, Canada. Research Associate, Center for Molecular Dynamics Nepal (CMDN), Kathmandu, Nepal.

**Education:** PhD in Bioinformatics, Computational Biology from University of British Columbia, Canada in 2018. MSc in Bioinformatics, Computational Biology from Simon Fraser University, Canada in 2012. BTech in Biotechnology from Kathmandu University, Nepal in 2009.

**Awards:** Mitacs Accelerate PhD Fellowship (2016-1028) by Mitacs, Canada. Prostate Cancer Foundation-British Columbia (PCF-BC) Research Awards (2015) by Prostate Cancer Foundation-British Columbia (PCF-BC). CIHR Bioinformatics Training Program for Health Research (2011-2013) by Canadian Institutes of Health Research (CIHR).

**Expertise:** Bioinformatics. Cancer Genomics. Data Science.

**Professional Affiliation:** Biotechnology Society of Nepal (BSN), Madhyapur Thimi 44600, Nepal.

**Correspondence:** **Mailing Address:** UCSF Helen Diller Family Comprehensive Cancer Center, University of California, San Francisco, 1450 3rd Street, San Francisco, CA 94158, USA. **E-mail:** sraunak@gmail.com



**648. Ravi Gautam (M; 1988; Rupandehi, Nepal)**

**Category:** Pharmacy. Occupational Health. Immunology and Toxicology.

**Past Experiences:** Pharmacy Tutor, Universal College of Medical Science (UCMS), Bhairahawa. Instructor, Lumbini Institute of Technical Science, Sukhhanagar, Butwal.

**Education:** PhD in Public Health-Evaluation on immune-boosting and anti-inflammatory potency of *Choerospondias axillaris* Fruit Extract from Daegu Catholic University, Korea, in 2017-2020. MSc in The Convergence Program for Occupational Health and Welfare Influence of Broiler Chicken Husbandry Environment on Overall Immunity of Chicken Farmers from Daegu Catholic University, Korea in 2015-2017. BSc in Pharmacy-Phytochemical Screening and *In-vitro* Bioactivity Assay of Medicinal Plants of Batase and Saping Village of Kavre District and Formulation of Methyl Salicylate Ointment from *Gaultheria fragrantissima* and Tablet From *Astilbe rivularis* from Kathmandu University, Nepal in 2008-2012.

**Awards:** 3M Young Industrial Hygienist Award (2017) by 3M Science. Applied to Life. Best Poster Award for (2018) by KALAS International Symposium. Best Poster Award for (2019) by KALAS International Symposium.

**Expertise:** Western Blotting. ELISA. Flow Cytometry.

**Professional Affiliation:** Registered Pharmacist, Nepal.

**Correspondence:** **Mailing Address:** Shantikunja, Tilottama-2, Rupandehi, Lumbini, Nepal. **Phone number/Cell:** +9779840576530. **E-mail:** ravi.gtm.nep@gmail.com



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**649. Ravi Mohan Tiwari (M; 1982; Chitwan, Nepal)**

**Category:** Forest Ecology.

**Current Affiliation:** Post-Doctoral Researcher, College of Life Science, Zhejiang University, 445, Zijiang Campus, Zhejiang University, China.

**Past Experiences:** Part Time Assistant Professor, Shaheed Smriti Campus, Chitwan. Researcher, Forest Research Institute, Poland. Lecturer, Aroma College and Others, Chitwan.

**Education:** PhD in Forest Ecology from Hokkaido University, Japan in 2014-2017. MSc in Botany from Central Department of Botany, TU, Nepal in 2010. BSc in Botany from Birendra Multiple Campus, Chitwan, Nepal in 2003-2006.

**Awards:** Vidhya Bhusan (2017) by President of Nepal.

**Expertise:** Forest Dynamics. Forest Disturbance. Community Ecology.

**Correspondence:** **Mailing Address:** 445, College of Life Science, Zijiang Campus, Zhejiang University, Hangzhou, China. **Phone number/Cell:** +8618658180533. **E-mail:** tiwariravimohan@gmail.com, tiwariravim@zju.edu.cn



**650. Reeta Mandal (F; 1982; Saptari, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Lecturer, RRM Campus, TU, Dhanusa, Nepal.

**Past Experiences:** Teacher, Different School and Colleges. Researcher, NAST.

**Education:** PhD in Natural Product Chemistry from Tribhuvan University, Nepal in 2018. MSc in Organic Chemistry from Tribhuvan University, Nepal in 2006. BSc in Chemistry from Tribhuvan University, Nepal in 2004.

**Awards:** Best Poster Award (2015) by JSS and NAMS jointly. TWAS CSIR Postgraduate Sandwich Fellowship (2014) by TWAS. NAST Universities PhD Fellowship Award (2010) by NAST.

**Expertise:** Teaching. Researches. Chemical Analyst.

**Professional Affiliation:** RRM Campus, TU, Janakpur. Patan Multiple Campus, TU, Lalitpur. Nepal Academy of Science and Technology, Lalitpur.

**Correspondence:** **Mailing Address:** RRM Campus, TU, Dhanusa, Nepal. **Phone number/Cell:** 9803743878. **E-mail:** ritamandal201@gmail.com

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**651. Rejina Maskey Byanju (F; 1962; Kathmandu, Nepal)**

**Category:** Environmental Science.

**Current Affiliation:** Professor and Head, Central Department of Environmental Science, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Head, Department of Environmental Science, Tri-Chandra Multiple Campus, Tribhuvan University, Kathmandu, Nepal. Environment Officer, Menris-ICIMOD. Doctoral Research Fellow, Department of Environmental Engineering, Padova University, Venice, Italy.

**Education:** PhD in Air Pollution-Development of Low Cost Passive Sampling Diffusion Tubes for Spatial Monitoring of NO<sub>2</sub>, SO<sub>2</sub> and O<sub>3</sub> in Kathmandu Valley from IOST, TU, Nepal in 2012. MSc in Environmental Science from Chiang Mai University, Thailand in 1998. MSc in Chemistry from CDC, TU, Nepal in 1988. BSc in Chemistry, Zoology, Botany from TU, Nepal in 1982.

**Awards:** GTZ Scholarship for MS in Environment Science (1996) by Chiang Mai University. PhD Fellowship (2006) by NAST, Nepal. Briti Bikash Award for PhD (2006) by TU.

**Expertise:** Air Pollution. Environmental Pollution and Environment. Chemistry. Biochar.

**Professional Affiliation:** Life Member, Nepal Chemical Society and Women in Science and Technology. Executive Member, Resources Himalaya. Executive Member, Nepal Water Conservation Foundation (NWCFF) For Academic Research.

**Correspondence:** **Mailing Address:** Central Department of Environmental Science, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** +97714332147/9841359172. **E-mail:** rmaskey@cdes.edu.np

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**652. Reshma Shrestha (F; 1978; Kathmandu, Nepal)**

**Category:** Geo-Information. Urban Planning.

**Current Affiliation:** Assistant Professor, Kathmandu University, Lalitpur.

**Past Experiences:** Lecturer (2010-2013), Department of Geomatics and Civil Engineering, Kathmandu University, Nepal. Urban Planner (2009-2009), Genesis Consultancy Pvt Ltd. GIS Engineer (2006-2007), Genesis Consultancy Pvt Ltd.

**Education:** PhD in Land Governance-Land Administration from University of Twente, Netherlands in 2019. MSc in Urban Planning from University of Twente, Netherlands in 2009. BE in Civil Engineering from Pulchowk Engineering College, Tribhuvan University, Nepal in 2002.

**Awards:** Article of Month (2016) by FIG.

**Expertise:** Urban Planning. GIS. Land Administration.

**Professional Affiliation:** Kathmandu University, Dhulikhel.

**Correspondence:** **Mailing Address:** Kathmandu University, Lalitpur, Nepal. **Phone number/Cell:** 9841295224. **E-mail:** reshma@ku.edu.np



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**653. Reshma Tuladhar (F; 1973; Kathmandu, Nepal)**

**Category:** Microbiology.

**Current Affiliation:** Lecturer, Tribhuvan University, Central Department of Microbiology.

**Past Experiences:** Associate Instructor, Indiana University, Bloomington. Teaching Assistant, Tribhuvan University.

**Education:** PhD in Incidence of Dengue and Diversity of Dengue Virus in Human and *Aedes* Vector from Amity University, Uttar Pradesh, India in 2019. MSc in Investigating the Functions of a Putative Chlamydial Cytotoxin Using Cytoplasmic Transduction Peptide Fusions from Indiana University, Bloomington, United States in 2009. BSc in Microbiology from Tri-Chandra College, Nepal in 1994.

**Awards:** Young Scientist Award (1999) by Royal Nepal Academy for Science and Technology. Mahendra Vidhya Bhusan 'Kha' (1998) by Government of Nepal. Mahendra Vidhya Bhusan 'Ga' (1995) by Government of Nepal.

**Expertise:** Molecular Genetics. Dengue (Vector Borne Disease) and Relation With Climate Change. Antimicrobial Resistance.

**Professional Affiliation:** Central Department of Microbiology, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Central Department of Microbiology, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 9849336532. **E-mail:** resutu@gmail.com



**654. Richa Kumari Gupta (F; 1985; Sarlahi, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** ARF, NAST, Nepal.

**Past Experiences:** ARF, NAST, Nepal.

**Education:** PhD in Chemistry-Isolation and characterization of bioactive secondary metabolites from Rheum species growing in Nepal and their target oriented synthesis from Tribhuvan University/NAST, Nepal in 2020. MSc in Chemistry (Physical Chemistry) from Tribhuvan University, Nepal in 2009. BSc in Chemistry from Tribhuvan University, Nepal in 2006.

**Awards:** PhD Scholarship (2011) by NAST. Merituous Student (2008) by TU.

**Professional Affiliation:** NAST, Lalitpur, Khumaltar-15.

**Correspondence:** **Mailing Address:** Lalitpur, Khumaltar-15, Nepal. **Phone number/Cell:** 9803833996. **E-mail:** richa.nast@gmail.com

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**655. Riddhi Jung Shah (M; 1964; Jajarkot, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Reader in Mathematics, Janata Campus, Nepal Sanskrit University, Tulsipur-5, Dang.

**Past Experiences:** Teaching Assistant, Mahendra Ratna Campus, Tribhuvan University.

**Education:** PhD in Mathematics-Geometry of Manifold-A Study of Certain Structures in a Differentiable Manifold from University of Lucknow, India in 2012. MA in Mathematics from Tribhuvan University, Nepal in 1993. BED in Mathematics and Science from Tribhuvan University, Nepal in 1988.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2013) by President of Nepal.

**Expertise:** Structures on Differentiable Manifolds. Published 3 Books on Mathematics. Articles and Book Writting.

**Professional Affiliation:** Janata Campus, Nepal Sanskrit University, Tulsipur-19, Bijauri, Dang, Nepal.

**Correspondence:** **Mailing Address:** Janata Campus, Nepal Sanskrit University, Tulsipur-19, Bijauri, Dang, Nepal. **Phone number/Cell:** 9806232197. **E-mail:** shahrjgeo@gmail.com

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**656. Rijan Bhakta Kayastha (M; 1964; Bhaktapur, Nepal)**

**Category:** Glaciology.

**Current Affiliation:** Associate Professor, Kathmandu University, Bakhundol, Dhulikhel, Kavre.

**Past Experiences:** Hydrologist Engineer, Department of Hydrology and Meteorology (DHM), Government of Nepal. Max-Planck Post-Doctoral Researcher, Max-Planck-Institute for Bio-Geochemistry, Jena, Germany. JSPS Post-Doc Researcher, Nagoya University, Nagoya, Japan.

**Education:** DSc in Glaciology from Nagoya University, Nagoya, Japan in 2001. MSc in Glaciology from Nagoya University, Nagoya, Japan in 1994. BSc in Meteorology, Math, Statistics from Tri-Chandra Multiple Campus, TU, Nepal in 1988.

**Awards:** King Birendra's Coronation Silver Jubilee Medal (1996) by Government of Nepal. Mahendra Vidhya Bhusan (2006) by Government of Nepal.

**Expertise:** Glacier Mass Balance by Field and Model Calculations. Glacio-Hydrological Modeling. Climate Change Impact on Water Resources.

**Professional Affiliation:** International Glaciological Society, Cambridge, United Kingdom. International Association of Hydrological Sciences, Wallingford, United Kingdom. Society of Hydrologist and Meteorologists-Nepal.

**Correspondence:** **Mailing Address:** Bakhundol-4, Dhulikhel, Kavre, Nepal. **Phone number/Cell:** 6614477/9851135959. **E-mail:** rijan@ku.edu.np



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**657. Rinita Rajbhandari Joshi (F; 1962; Lalitpur, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Professor, Pulchowk Campus, Institute of Engineering, Lalitpur, Nepal.

**Past Experiences:** Associate Professor, Pulchowk Campus, Institute of Engineering. Lecturer, Pulchowk Campus, Institute of Engineering. Assistant Lecturer, Pulchowk Campus, Institute of Engineering.

**Education:** PhD in Chemistry from Institute of Engineering, Tribhuvan University, Nepal in 2015. MSc in Chemistry from Tribhuvan University, Nepal in 1987. BSc in Chemistry from Amrit Campus, Tribhuvan University, Nepal in 1984.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2016) by Bidhya Devi Bhandari, President of Nepal. Deergha Sewa Padak (Long Service Medal) (2017) by Vice-Chancellor, Tirtha Khaniya.

**Expertise:** Preparation. Characterization of Adsorption Media for the Removal of Pollutants, Dyes from Water.

**Professional Affiliation:** Nepal Chemical Society (NCS). Association of St Mary's Aluminae Nepal (ASMAN).

**Correspondence:** **Mailing Address:** Lalitpur-1, Bakhundole, Nepal. **Phone number/Cell:** 9841269967. **E-mail:** joshirinita@yahoo.com



**658. Ripendra Awal (M; 1974; Bhaktapur, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Research Scientist, Prairie View A and M University, Jessie and Mary Gibbs Jones Agricultural Research Building, TX 77446.

**Past Experiences:** Assistant Researcher, Natural Resources and Environmental Management, College of Tropical Agriculture and Human Resources, University of Hawaii at Manoa. JSPS Post-Doctoral Research Fellow, Disaster Prevention Research Institute, Kyoto University, Japan. Research Associate, Disaster Prevention Research Institute, Kyoto University, Japan.

**Education:** PhD in Civil and Earth Resources Engineering from Kyoto University, Japan in 2008. MSc in Water Resources Engineering from Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal in 2003. BE in Civil Engineering from Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal in 1997.

**Awards:** Outstanding Researcher Award (2019) by Prairie View A and M University, USA. Outstanding Researcher Award (2018) by College of Agriculture and Human Sciences, Prairie View A and M University, USA. Hydraulic Engineering Best Paper Award (2009) by Hydrosience and Hydraulic Engineering Committee, Japan Society of Civil Engineers (JSCE).

**Expertise:** Water-Related Hazards (Flood, Landslide, Debris Flow, Erosion) and Natural Dam Failure. Watershed Management and Modeling. Agricultural Water Management. Water Allocation. Irrigation Scheduling. Crop Modeling.

**Professional Affiliation:** American Geophysical Union (AGU). Soil Science Society of America (SSSA). Nepal Engineers' Association (NEA).

**Correspondence:** **Mailing Address:** 15403 Montes Landing Drive, Cypress Texas 77433. **Phone number/Cell:** 8083736938. **E-mail:** ripendra@gmail.com



**659. Rishi Ram Parajuli (M; 1982; Nawalparasi, Nepal)**

**Category:** Engineering. Disaster Risk Reduction.  
**Current Affiliation:** Researcher, University of Bristol, Bristol, UK.  
**Past Experiences:** Lecturer, IOE, Thapathali Campus.  
**Education:** PhD in Earthquake Engineering from Kyoto University, Japan in 2017. ME in Earthquake Engineering from Kyoto University, Japan in 2014. BE in Civil Engineering from Tribhuvan University, Nepal in 2010.  
**Awards:** Excellent Research Presentation Award (2016) by Japan Society for Natural Disaster Science. Excellent Young Researcher Award (2015) by USMCA. Young Researcher Award (2014) by Association for Disaster Prevention Research.  
**Expertise:** Earthquake Engineering. Structural Engineering. Disaster Risk Reduction.  
**Professional Affiliation:** University of Bristol, UK. Science Hub, Kathmandu, Nepal.  
**Correspondence:** **Mailing Address:** BS8 1TR, Queen's Building, University Walk, Bristol, UK. **Phone number/Cell:** +447444638198. **E-mail:** rishiramparajuli@gmail.com



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**660. Rishi Ram Sharma (M; 1962; Rupandehi, Nepal)**

**Category:** Physics.  
**Current Affiliation:** Secretary, National Vigilance Centre, Kirtipur-10, Kathmandu.  
**Past Experiences:** Joint Secretary, Water and Energy Commission Secretariat, Government of Nepal. Director General, Department of Hydrology and Meteorology. Remote Sensing Officer, Department of Forest Research and Survey.  
**Education:** PhD in Atmospheric Physics from Norwegian University of Science and Technology, Norway in 2012. MSc in Geoinformatics from International Institute for Geo-Information Science and Earth Observation (ITC), Netherlands in 1996. BSc from Tribhuvan University, Nepal in 1989.  
**Awards:** Nepal Vidhya Bhusan 'Ka' (2012) by President of Nepal.  
**Expertise:** Meteorology and Climate Science. Remote Sensing and Earth Observation. Landuse Planning and Landuse Assessment.  
**Professional Affiliation:** Society of Hydrologists and Meteorologists (SOHAM). Nepal Physical Society (NPS).  
**Correspondence:** **Mailing Address:** Sangam Basti, Tyanglaphant, Kirtipur-10, Kathmandu. **Phone number/Cell:** +9779851147653. **E-mail:** rishiramsharma@gmail.com



**661. Rita Khadka (F; 1968; Morang, Nepal)**

**Category:** Medical Science.

**Current Affiliation:** Additional Professor, BP Koirala Institute of Health Sciences, Dharan, Sunsari, Nepal.

**Past Experiences:** Additional Professor, BP Koirala Institute of Health Sciences. Associate Professor, BP Koirala Institute of Health Sciences. Assistant Professor, BP Koirala Institute of Health Sciences.

**Education:** PhD in Correlation Between Cardiovascular Autonomic Functions and Indicators of Myocardial Ischemia in Patients Presenting Anginal Symptoms from All India Institute of Medical Sciences (AIIMS), New Delhi, India in 2005-2009. MSc in Human (Medical) Physiology-Effect of Yoga on Cardiovascular Autonomic Responses in Hypertensive Patients from BP Koirala Institute of Health Sciences, Nepal in 1999-2002. BSc from Tribhuvan University, Nepal in 1990.

**Awards:** Nepal Vidhya Bhusan Award, Category A (2014) by President of Nepal. Young Investigator Award (2011) by the 7th Congress of Federation of Asian and Oceanian Physiological Societies (FAOPS-2011) in Taiwan. Young Investigator Travel Grant Award (2009) by the 36th Congress of the International Union of Physiological Sciences (IUPS-2009) in Japan.

**Expertise:** Cardiovascular Autonomic Function Test, Heart Rate Variability, Blood Pressure Variability and Baroreflex Sensitivity. Exercise Physiology, Yoga, High Altitude Autonomic Cardiovascular and Pulmonary Physiology, Neuroelectrophysiology. Research Methodology and Biostatistics.

**Professional Affiliation:** BP Koirala Institute of Health Sciences, Ghopa, Dharan, Sunsari, Nepal. All India Institute of Medical Sciences, New Delhi, India.

**Correspondence:** **Mailing Address:** Department of Basic and Clinical Physiology, BP Koirala Institute of Health Sciences, Dharan, Nepal. **Phone number/Cell:** 255255552476 (Office) 3134 (Resident)/+9779842020602. **E-mail:** rita.khadka@gmail.com, rita.khadka@bpkihs.edu



**662. Robin Bhattarai (M; 1987; Morang, Nepal)**

**Category:** Neurosurgery.

**Current Affiliation:** Consultant Neurosurgeon, B and C Medical College Teaching Hospital and Research Centre Pvt Ltd, Kankai Rd, Jhapa, Nepal.

**Past Experiences:** Consultant Neurosurgeon, Annapurna Neurological Institute and Allied Sciences, Kathmandu. Consultant Neurosurgeon, B and C Medical College Teaching Hospital and Research Centre Pvt Ltd.

**Education:** PhD in Supraorbital Eyebrow Keyhole Approach for Microsurgical Management of Ruptured Anterior Communicating Artery Aneurysm and Factor Determining Side of Approach for Anterior Communicating Artery Aneurysm from Sun Yat-sen University, China in 2019. Master's in Surgery in Microsurgical Management of Tuberculum Sellae Meningioma by a Supraorbital Keyhole Eyebrow Approach: Surgical Technique and Outcome from Sun Yat-Sen University, China in 2015. MBBS from Sichuan University, China in 2010.

**Awards:** Full Academic Scholarship, Sun Yat-sen University (PhD) (2016) by Chinese Scholarship Council. Full Academic Scholarship, Sun Yat-sen University (Master's) (2012) by Chinese Scholarship Council.

**Expertise:** Endovascular Neurosurgeon.

**Professional Affiliation:** B and C Medical College Teaching Hospital and Research Centre Pvt Ltd. Nepalese Society of Neurosurgeons. American Association of Neurological Surgeons.

**Correspondence:** **Mailing Address:** Kankai Rd, Birtamode 57204, Jhapa, Nepal. **Phone number/Cell:** 9842395698. **E-mail:** robinbhattarai@hotmail.com



**663. Rojit Shahi (M; 1984; Lalitpur, Nepal)**

**Category:** Structural Engineering. Civil Engineering.

**Current Affiliation:** Structural Design Manager, RMD, Australia.

**Past Experiences:** Senior Structural Engineer, Van Der Meer Consulting, Melbourne, Australia. Tutor/Research Assistant, University of Melbourne, Australia. Project Engineer, AIT Consulting, Thailand.



**Education:** PhD in Performance Evaluation of Cold-Formed Steel Stud Shear Walls in Seismic Conditions from University of Melbourne, Australia in 2015. ME in Effective Modelling of Shear Walls in High Rise Buildings for Nonlinear Static and Dynamic Analyses from Asian Institute of Technology, Thailand in 2010. BE in Civil Engineering from Tribhuvan University, Nepal in 2007.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2015), 'Kha' (2010) and 'Ga' (2007) by The President of Nepal. His Majesty The King of Thailand Scholarship (2008) by Asian Institute of Technology. Vice-Chancellor Award (2007) by Tribhuvan University.

**Expertise:** Structural Analysis, Design, Design Review and Retrofitting of High-Rise Buildings. Commercial and Residential Buildings. Temporary Works Engineering of Civil Infrastructure. Commercial and Industrial Buildings. Events Structures. Lecturing/Supervising Undergraduate and Postgraduate Students.

**Professional Affiliation:** Chartered Professional Engineer (CPEng), Engineers Australia. National Engineering Register (NER), Engineers Australia. Registered Building Practitioner (RBP), Victorian Building Authority.

**Correspondence:** **Mailing Address:** Bundoora, VIC, Australia. **E-mail:** shahi.rojit@gmail.com

**664. Rosa Ranjit (F; 1972; Kathmandu, Nepal)**

**Category:** Organic Chemistry.

**Current Affiliation:** Senior Scientific Officer, Nepal Academy of Science and Technology, Khumaltar, Lalitpur.

**Past Experiences:** Research Fellow, Nepal Academy of Science and Technology.

**Education:** PhD in Natural Product Chemistry from HEJ Research Institute of Chemistry, University of Karachi, Karachi, Pakistan in 2006. MSc in Organic Chemistry from Tribhuvan University, Kathmandu, Nepal in 1996. BSc in General Biology (Chemistry, Botany, Zoology) from Tribhuvan University, Kathmandu, Nepal in 1994.

**Awards:** Young Scientist (2011) by TWAS.

**Expertise:** Isolation and Identification of Secondary Metabolites from Medicinal Plants. Biotransformation. Analytical Analysis.

**Professional Affiliation:** Nepal Academy of Science and Technology.

**Correspondence:** **Mailing Address:** Gopha Marg 181, Teku, Kathmandu-21, Nepal. **Phone number/Cell:** 9849355555. **E-mail:** rosaranjit@yahoo.com



**665. Roshan Koju (M; 1983; Bhaktapur, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Director, Social Security Fund, Babarmahal, Kathmandu.

**Past Experiences:** Lecturer, Khwopa Engineering College. Engineer, Nepal Telecom.

**Education:** PhD in Development of Robust and Invisible Watermarking Scheme for Digital Images Using Slant Transform from Tribhuvan University, Nepal in 2018. ME in Computer Engineering from Pokhara University, Nepal in 2011. BE in Computer Engineering from Purbanchal University, Nepal in 2006.

**Awards:** UGC Fresh Fellowship Award (2012) by University Grants Commission.

**Expertise:** Artificial Intelligence. Network Security. Wireless Communication.

**Professional Affiliation:** Nepal Engineering Council. Nepal Engineering Association.

**Correspondence:** **Mailing Address:** Sallaghari, Bhaktapur-1, Nepal. **Phone number/Cell:** 9841132064. **E-mail:** roshankoju@ssf.gov.np



**666. Roshan Pradhan (M; 1978; Kavrepalanchok, Nepal)**

**Category:** Pharmaceuticals.

**Current Affiliation:** Manager, Factory Operation, Omnica Laboratories Pvt Ltd, Bhaktapur, Nepal.

**Past Experiences:** Production Pharmacist, Simca Laboratories Pvt Ltd. Production Head, Omnica Laboratories Pvt Ltd. Senior Reserach Scientist, Kolmar Korea Pvt Ltd, South Korea.

**Education:** PhD in Pharmaceutical Sciences from Yungnam University, Republic of Korea in 2014. MPharm (Pharmacy) from Kathmandu University, Nepal in 2008. BPharm (Pharmacy) from Kathmandu University, Nepal in 2002.

**Awards:** National Institute For International Education (NIIED) Award (2010) by Korean Government. Honorary Vidhya Bhusan 'Ka' (2018) by President of Nepal. Felicitation Certificate for Receiving PhD Degree (2019) by Dhulikhel Samaj, Kathmandu.

**Expertise:** Design and Development of Conventional and Modified Drug Delivery Systems. Develop Platform Technologies to Enhance Oral Bioavailability of Poorly Bioavailable and Highly Lipophilic Drugs. Bi-layered Tablets and Sustained Release Drug Delivery System.

**Professional Affiliation:** Omnica Laboratories Pvt Ltd, Kathmandu University. Yeungnam University.

**Correspondence:** **Mailing Address:** House No. 75, Dhulikhel, Kavre, Nepal. **Phone number/Cell:** 9841312588. **E-mail:** pradhanros@gmail.com



**667. Roshan Sharma Poudyal (M; 1980; Parbat, Nepal)**

**Category:** Agriculture. Life Science.

**Current Affiliation:** Research Professor, Kyungpook National University, Daegu 41566 Korea.

**Past Experiences:** Post-Doctoral Research Fellow, Institute for Basic Science, Korea. Teaching Assistant, Central Department of Botany, TU, Kritipur.

**Education:** PhD in Photosynthesis from Pusan National University, Korea in 2016. MSc in Biological Nitrogen Fixation from Tribhuvan University, Kritipur, Nepal in 2005. BSc in Biology from Tri-Chandra Campus, Kathmandu, Nepal in 2002.

**Awards:** IBS Fellowship of Korean Government for Research Scientist (2016) by Institute for Basic Science, Korea. Excellent Publication Award 2013 (2013) by Pusan National University, Korea. Young Investigator Award (2011) by International Society of Photosynthesis Research.

**Expertise:** Regulation of Photosynthesis and Improvement of Crop Production. Regulation of Light Harvesting Mechanism and Energy Production by Plants. Photobiological Fuel Production.

**Professional Affiliation:** College of Agriculture and Life Science, Kyungpook National University, Korea. Institute for Basic Science (IBS) Korea. Pusan National University, Busan, Korea.

**Correspondence:** **Mailing Address:** Kyungpook National University, Building number 201, room 338, 80 Daehakro, Bukgu, Daegu 41566 Korea. **Phone number/Cell:** +821068732364. **E-mail:** roshanp8.rsp@gmail.com



**668. Roshani Rajbanshi (F; 1978; Kathmandu, Nepal)**

**Category:** Education.

**Current Affiliation:** Post-Doc, Kathmandu University School of Education, Hattiban, Lalitpur Nepal.

**Past Experiences:** Trainer, Thames International School. Program Coordinator, STEM Outreach Center. Adjunct Professor, New Mexico State University.

**Education:** PhD in Science Teacher's Technology use from New Mexico State University, United States in 2017. MSc in Tissue Culture of *Mentha piperita* from Tribhuvan University, Nepal in 2002. BSc in Species diversity of Bhaise Dovan from TU, Nepal in 2000.

**Awards:** Graduate Assistantship (2013) by NMSU.

**Correspondence:** **Mailing Address:** Sorhakutte, Kathmandu, Nepal. **Phone number/Cell:** 014359447. **E-mail:** roshaniraj@gmail.com



**669. Rosy Shrestha (F; 1967; Sunsari, Nepal)**

**Category:** Nursing.

**Current Affiliation:** Associate Professor, Chitwan Medical College, Bharatpur, Chitwan.

**Past Experiences:** Assistant Professor, BPKIHS. Sr. Nursing Officer, BPKIHS. Nursing Officer, BPKIHS.

**Education:** PhD in Predictors of Health Related Quality of Life and Knowledge on Living Well Among Patients with Coronary Heart Disease from Tribhuvan University, Institute of Medicine, Nepal in 2017. MSc in A Study to Assess Staff Nurses' Knowledge and Practices of Bed Sore Prevention in Order to Prepare Self Instructional Module (SIM) for them in a Selected Hospital, Ludhiana, Punjab, India, from Baba Farid University of Health Science, India in 2007. BSc in a Comparative Study to Assess Knowledge and Practice Regarding CPR Among Staff Nurses Working in General and Special Unit, BPKIHS, Dharan, Nepal from Tribhuvan University, Institute of Medicine, Nepal in 2002.

**Awards:** Nepal Vidhya Bhusan (2018) by The Right Honorable President of Nepal. First PhD Scholar in Nursing (2012) by Institute of Medicine. Global Nursing Leadership Institute (2010) by International Council, Geneva .

**Expertise:** Asian Cardiac Nurse-Life Member-1998, Nursing Leadership-2010, Nursing Researcher-2012.

**Professional Affiliation:** Chitwan Medical College, Bharatpur, Nepal. BP Koirala Institute of Health Science, Dharan, Nepal. TU Teaching Hospital, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Chitwan Medical College, Bharatpur, Chitwan, Nepal. **Phone number/Cell:** 9843361879. **E-mail:** rosyshrestha2016@gmail.com



### 670. Rumakanta Sapkota (M; 1983; Dang, Nepal)

**Category:** Agriculture. Environmental Science.  
**Current Affiliation:** Researcher, Aarhus Universtiy, Frederiksborgvej, Denmark.  
**Past Experiences:** Post-Doctoral Researcher, Aarhus Universtiy. Assistant Lecturer, IAAS, Tribhuvan University, Lamjung, Nepal. Agriculture Officer, ECARDS-Nepal .  
**Education:** PhD in Metabarcoding of Plant-Associated Microbes with a focus on the Plant Pathogens from Aarhus University, Denmark in 2016. MSc in Characterization of a New Virus of Potyviridae Member Infecting Eggplant from Hebrew University of Jerusalem, Israel in 2010. BSc in Agriculture from Tribhuvan University, Nepal in 2007.  
**Awards:** Future of Science Fund (2016) by Keystone Symposia. Kolpin Ravns Legat Travel Grant (2015) by Kølpin Ravns Legat .  
**Expertise:** Plant Microbes. Microbiome. Environmental DNA .  
**Professional Affiliation:** Danish Society of Microbiology.  
**Correspondence:** **Mailing Address:** Frederiksborgvej 399, 4000, Roskilde, Denmark. **Phone number/Cell:** 31406965. **E-mail:** rumakanta.sapkota@gmail.com



### 671. Rumi Chand (F; 1980; Kathmandu, Nepal)

**Category:** Chemistry.  
**Current Affiliation:** Academic Director, Jubilant College, Kalimati, Kathmandu.  
**Past Experiences:** Researcher, National institute of Advanced Industrial Science and Technology, Japan. Researcher, Kyushu University, Fukuoka, Japan. Researcher, Fukuoka University, Japan.  
**Education:** PhD in Material Science-Preparation of Biomass Carbon for Metal Ion Removal. From Saga University, Japan in 2009. MSc in Physical Chemistry from Tribhuvan University, Nepal in 2004. BSc in Chemistry from ASCOL, Tribhuvan University, Nepal in 2002.  
**Awards:** Post-Doctoral Fellowship for Foreign Researchers (2011-2013) by (JSPS) Japanese Society for the Promotion of Science. Monbukagakusho Scholarship (2006-2009) by Japanese Government. Fujii-Otsuka International Education and Research Exchange Fund (2019) by Fujii-Otsuka International Education and Research Exchange.  
**Expertise:** Synthesis and Characterization of Nanoparticles, Synthesis and Characterization of Immobilized Photocatalyst for Air and Water Purification, Synthesis and Characterization of Activated Carbon for Water Purification.  
**Correspondence:** **Mailing Address:** Jubilant College, Kalimati, Kathmandu, Nepal. **Phone number/Cell:** +97719869577846. **E-mail:** rumichand@gmail.com



### 672. Rupak KC (M; 1982; Kathmandu, Nepal)

**Category:** Agriculture. Veterinary Science.

**Current Affiliation:** Veterinary Consultant.

**Past Experiences:** Lecturer (Veterinary Sciences), GP Koirala College of Agriculture and Research Center, Purbanchal University. Veterinary Surgeon, Animal Medical Center, Malaysia.

**Education:** PhD in Veterinary Medicine from National Pingtung University of Science and Technology, Taiwan in 2017.

MSc in Veterinary Medicine from National Pingtung University of Science and Technology, Taiwan in 2011. Doctor of Veterinary Medicine (DVM) in Veterinary Science from Bangladesh Agricultural University, Bangladesh in 2006.

**Awards:** Outstanding Research Performance Award (2017) by National Pingtung University of Science and Technology, Taiwan. Prof. Dr. Abdus Salam Mia Gold Medal (2009) by Bangladesh Agricultural University, Bangladesh. Achievement Award of Animal Medical Center (2008) by Animal Medical Center, Kuala Lumpur, Malaysia.

**Expertise:** Wildlife Disease Ecology. Veterinary Medicine. Veterinary Parasitology.

**Professional Affiliation:** Nepal Veterinary Council.

**Correspondence:** **Mailing Address:** GPO 19551, Kathmandu, Nepal. **Phone number/Cell:** 9841541076. **E-mail:** rupak@vetsurgeon.org



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### 673. Rupendra Bahadur Adhikari (M; 1981; Kaski, Nepal)

**Category:** Medicine. Neurosurgery.

**Current Affiliation:** Consultant Neurosurgeon, Grande International Hospital, Grande International Hospital, Tokha, Kathmandu.

**Past Experiences:** Consultant Neurosurgeon, KIST Medical College and Teaching Hospital.

**Education:** PhD in Neurosurgery from Graduate School of Biomedical and Health Sciences, Hiroshima University, Japan in 2016.

**Awards:** Dr. Anjani Kumar Sharma Gold Medal (2009) by Inaugural Recipient. Award Established and Awarded by Professor Anjani Kumar Sharma-First Surgeon of Nepal.

**Expertise:** Neurosurgery. Brain Surgery. Spine Surgery.

**Professional Affiliation:** Grande International Hospital.

**Correspondence:** **Mailing Address:** Department of Neurosciences-Neurosurgery, Grande International Hospital, Tokha Road 44600, Dhapasi, Kathmandu, Nepal. **Phone number/Cell:** 015159266 Ext. 10731. **E-mail:** atom.com@gmail.com, rupendra.adhikari@grqndehospital.com



**674. Rupendra Shrestha (M; 1988; Rupandehi, Nepal)**

**Category:** Stem Cells. Human Genetics.

**Current Affiliation:** Researcher, Institute of Eye Research, Hualien Tzu Chi Hospital, Hualien County, Taiwan.

**Past Experiences:** Clinical Molecular Geneticist, Manipal Hospital, India. Research Fellow, Institute of Bioinformatics and Applied Biotechnology, India.

**Education:** PhD in Medical Sciences-Human Induced Pluripotent Stem Cells (Hips)-Derived Retinal Organoids and Retinal Pigment Epithelium to Model Retinal Development and Degenerative Diseases from Institute of Medical Sciences, Tzu Chi University, Taiwan in 2019. MSc in Human Genetics-Novel Biocompatible Cellulose Acetate Phthalate Nanofibrous Scaffolds for Chondrocytes for Bone/Cartilage Tissue Engineering from Sir Ramachandra College of Biomedical Sciences, Technology and Research, Sir Ramachandra University, India in 2014. BSc in Medical Laboratory Technology-Assessment of Detection of Proviral DNA and RT (met 184 val) Gene Resistance Mutation in HIV-1 Identified by Polymerase Chain Reaction and Restriction Fragment Digestion Assay from Nobel College, Pokhara University, Nepal in 2011.

**Awards:** Best Paper Award (Honorable Mention) (2018) by Taiwan Society for Stem Cell Research, Taiwan. Travel Grant (2019) by Bio-Techne (Biotechnology Company). Training Fellowship (2019) by SickKids Hospital, Canada.

**Expertise:** Stem Cells. Human Genetics. Laboratory Medicine.

**Professional Affiliation:** Institute of Eye Research, Hualien Tzu Chi Hospital, No. 707, Sec. 3, Zhongyang Rd. Hualien County, Taiwan.

**Correspondence:** **Mailing Address:** Tilottama-03, Rupandehi, Lumbini, Nepal. **Phone number/Cell:** 9840541740. **E-mail:** dph.rupendra@gmail.com



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**675. Sabin Basi (M; 1979; Kathmandu, Nepal)**

**Category:** Plant Science. Agricultural Science.  
**Current Affiliation:** Research Fellow, NAST, Kathmandu.  
**Past Experiences:** Senior Faculty, SANN Int College. Consultant Seed Expert, CIMMYT International. Junior Researcher, University of Bonn.  
**Education:** PhD in Plant Physiology-Agricultural Science from University of Bonn, Germany in 2013. MSc in Plant Molecular Biology-Plant Physiology from University of Bonn, Germany in 2008. BSc in Agricultural Science/Plant Breeding from IAAS, Nepal in 2003.  
**Awards:** TWAS (2018) by TWAS/NAST. DFG (2008) by German Foundation of Science. DAAD (2006) by German Academic Exchange Program.  
**Expertise:** Plant Physiology. Plant Genetics and Breeding. Plant Biotechnology.  
**Correspondence:** **Mailing Address:** New Baneshwor-34, Kathmandu, Nepal. **E-mail:** sabinbasi@hotmail.com



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**676. Sabina Shrestha (F; 1974; Baglung, Nepal)**

**Category:** Botany.  
**Current Affiliation:** Director, Himalayan Biome Research Institute Pvt Ltd, Kathmandu, Nepal.  
**Past Experiences:** Post-Doctoral Fellow, Jeju National University, South Korea. Post-Doctoral Fellow, Kyung Hee University, South Korea. Teacher, Patan Multiple Campus, Tribhuvan University, Nepal.  
**Education:** PhD in Biotechnology-Phytochemical Constituents of *Desmostachya bipinnata* and *Rhus parviflora* from Nepal from Kyung Hee University, Republic of Korea in 2011. MSc in An Ecological Study of Trees of Sleshmantak Forest, Pashupati Development Area, Kathmandu from Tribhuvan University, Nepal in 1998. BSc in Botany, Zoology, Chemistry from Tribhuvan University, Nepal in 1996.  
**Awards:** Nepal Vidhya Bhusan 'Ka' (2015) by Government of Nepal. Youth Science and Technology Award (2013) by Nepal Academy of Science and Technology. Best Poster Award (2012) by Natural Products Chemistry in Omics Era. The Korean Society for Applied Biological Chemistry.  
**Expertise:** Isolation and Identification of Secondary Metabolites of Medicinal, Functional Food and Biomaterial Value from Natural Sources. Spectroscopic Techniques Including Nuclear Magnetic Resonance (NMR). Infrared Spectroscopy (IR). Mass Spectroscopy (GC/LCMS). High Performance Liquid Chromatography HPLC. Species Illustrator. Published Work: Birds of Nepal and Ichthyology of Nepal.  
**Professional Affiliation:** Ethnobotanical Society of Nepal, Nepal. The Asian Society of Natural Products, South Korea. Korean Society for Applied Biological Chemistry, South Korea.  
**Correspondence:** **Mailing Address:** GPO Box 6133, Kathmandu, Nepal. **Phone number/Cell:** 014353842/9841270278. **E-mail:** sabina.shr@gmail.com, sabina2nepal@yahoo.com



**677. Sabina Singh (Shrestha) (F; 1964; Kathmandu, Nepal)**

**Category:** Botany.

**Current Affiliation:** Associate Professor, Padma Kanya Multiple Campus, Bagbazar, Kathmandu.

**Past Experiences:** Lecturer, Post Graduate Campus, Biratnagar.

**Education:** PhD in Floristic Study and Vegetation Analysis of Shivapuri National Park, Central Nepal from Tribhuvan University, Nepal in 2014. MSc in Botany from Tribhuvan University, Nepal in 1991. BSc in Biology from Tribhuvan University, Nepal in 1988.

**Awards:** Nepal Vidhya Bhusan A Class (2016) by Bidhya Devi Bhandari (President). Best Teacher Award (2017) by Campus Chief, Padma Kanya Campus.

**Expertise:** Taxonomy. Ethnobotany. Phycology.

**Professional Affiliation:** Nepal Botanical Society, Kirtipur. Janapriya Mahila Samuha, Basantanagar, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Balaju, Kathmandu, Nepal. **Phone number/Cell:** 9741009580. **E-mail:** sabinasingh32@hotmail.com



**678. Sabita Shrestha (F; 1966; Kathmandu, Nepal)**

**Category:** Coordination Chemistry. Nanotechnology.

**Current Affiliation:** Associate Professor, Central Department of Chemistry, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Post-Doctorate Researcher, Center for Nanotube and Nano-Structured Composites, Sung Kyun Kwan University, Seoul, South Korea. Assistant Chemist, Nepal Government, Department of Mines and Geology, Lainchaur, Kathmandu, Nepal.

**Education:** PhD in Complexes of Trivalent Yttrium and Lanthanides with Acyl Hydrazide Schiff Bases From Banaras Hindu University, India in 1999. MSc in Inorganic Chemistry from Tribhuvan University, Nepal in 1991. BSc in Chemistry, Zoology, Botany from Tribhuvan University, Nepal in 1989.

**Awards:** Youth Science and Technology Award (2001) by Nepal Academy of Science and Technology. Nepal Vidhya Bhusan 'Ka' (2010) by Government of Nepal, Ministry of Education.

**Expertise:** Coordination Chemistry: Synthesis and Characterization. Nanotechnology: Synthesis, Characterization of Nanomaterials and its Applications in Different Fields. Nanotechnology: Carbon Nanotubes. Different Applications (Field Emission, Photoluminescence Properties, Different Types of Sensors, Counter Electrode in Dye Sensitized Solar Cells, Hydrogen Production) of Metal and Semiconductor Nanoparticles Decorated Carbon Nanotubes.

**Professional Affiliation:** Central Department of Chemistry, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Central Department of Chemistry, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 9849485404. **E-mail:** shresthasabita@hotmail.com



**679. Sadeep Medhasi (M; 1984; Kathmandu, Nepal)**

**Category:** Biomedical Science.

**Current Affiliation:** Post-Doctoral Candidate, Centre for Medical Genomics, Bangkok, Thailand.

**Past Experiences:** Research Associate, Wisconsin University. Lecturer of Pharmacology, Mae Fah Luang University. Lecturer of Pharmacology, Chitwan Medical College.

**Education:** PhD in Pharmacology-Pharmacogenomics from Mahidol University, Thailand in 2017. MSc in Pharmacology-Alzheimer's Disease from Mahidol University, Thailand in 2012. Pharm D in Pharmacy from Gomal University, Pakistan in 2008.

**Awards:** Pakistan Technical Assistance Programme (2003) by Pakistan Embassy.

**Expertise:** Pharmacogenomics. Microarray. LC-MS/MS.

**Correspondence:** **Mailing Address:** Rangnam Apartment, Bangkok, Thailand. **Phone number/Cell:** 0066986669300. **E-mail:** sadeep397@hotmail.com



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**680. Sadhana Pradhanang Kayastha (F; 1961; Kathmandu, Nepal)**

**Category:** Environmental Science.

**Current Affiliation:** Professor, Central Department of Environmental Science, Tribhuvan University, Kathmandu, Nepal.

**Past Experiences:** Chemist, Department of Mines and Geology, Government of Nepal.

**Education:** PhD in Water Pollution from University of Delhi, Delhi, India in 2010. MSc in Environmental Science from Infrastructural, Hydraulic and Environmental Engineering (IHE), Delft, Netherlands in 1997. BSc in Botany, Zoology, Chemistry from Tribhuvan University, Nepal in 1984.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2011) by Government of Nepal. ESDA Eminent Scientist Award (2000) by Environment and Social Development Association, Delhi, India.

**Expertise:** Water. Soil. Sediment Pollution. Hydro-Geochemistry.

**Professional Affiliation:** Central Department of Environmental Science, Tribhuvan University, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Kupondol, Jwagal Lalitpur, GPO Box 11818, Kathmandu, Nepal. **Phone number/Cell:** 5537633/9851126026. **E-mail:** sadhana.pradhanang@gmail.com



**681. Sagar Koirala (M; 1985; Kaski, Nepal)**

**Category:** Medicine. Surgery.

**Current Affiliation:** Neurosurgeon, NINAS, Bansbari, Kathmandu.

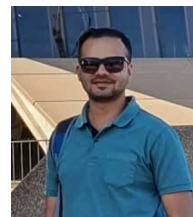
**Past Experiences:** Resident, NINAS. Lecturer, Patan Hospital PAHS. Resident, TU/IOM.

**Education:** PhD in Quality of life After Lumbar Discectomy from Kathmandu University, Nepal in 2019. MS-General Surgery in Quality of Life of Renal Transplant Donors from Tribhuvan University, Nepal in 2015. MBBS from Tribhuvan University, IOM, Nepal in 2010.

**Awards:** Young Investigator Award (2019) by NESON.

**Expertise:** General and Neurosurgery.

**Correspondence:** **Mailing Address:** Gairapatan, Pokhara, Kaski-4, Pokhara, Gandaki, Nepal. **Phone number/Cell:** 9851044286. **E-mail:** sagarkoirala85@gmail.com



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**682. Sagar Regmi (M; 1989; Kaski, Nepal)**

**Category:** Physics. Biomedical Engineering. Biophysics.

**Current Affiliation:** Visiting Faculty, Department of Physics, Kathmandu University, Kavre, Nepal.

**Past Experiences:** Research Assistan, University of Macau, SAR, China. Research Assistant, Nanyang Technological University, Singapore. Research Assistant, National University of Singapore, Singapore.

**Education:** PhD in Study of the Destructive Effects of Shear Stress and ROS-Generating Drugs on Circulating Tumor Cells from Nanyang Technological University, Singapore in 2019. MSc in Physics with Specialization in Biophysics from University of Pune, India in 2013. BSc in Physics from University of Pune, India in 2011.

**Awards:** All-Round Excellence (ARE) Award (2018) by Nanyang Technological University, Singapore. Top Prize (Silver Award) (2018) by Biomedical Engineering Society of Singapore. Best Poster Award (2017) by Symposium on Advances in Molecular Sensory Engineering (SAMSE), Singapore.

**Expertise:** Fluidic Shear Stress. Anticancer Effects Ros-Generating Drugs. Circulating Tumor Cells. Breast Cancer Research and Treatment. High Shear Stresses Under Exercise Condition Destroy Circulating Tumor Cells in a Microfluidic System. Graphene Quantum Dot-Based Charge-Reversal Nanomaterial. Nucleus-Targeted Drug Delivery. Efficiency Controllable Photodynamic Therapy.

**Professional Affiliation:** Department of Physics, Kathmandu University, Dhulikhel, Kavre, Nepal. Research Centre for Applied Science and Technology (RECAST), Tribhuvan University, Nepal. School of Chemical and Biomedical Engineering, Nanyang Technological University, Singapore.

**Correspondence:** **MailingAddress:** HouseNo-81, WardNo-17, SitalMarga, Chorepatan, Kaski, Nepal. **Phone number/Cell:** 9846623310. **E-mail:** sagar005@e.ntu.edu.sg



**683. Sagar Thakali (M; 1975; Mustang, Nepal)**

**Category:** Environmental Engineering and Science.  
**Current Affiliation:** Principal Risk Assessor, AECOM, Conshohocken, PA 19438, USA.  
**Past Experiences:** Teaching Assistant, University of Delaware, Newark, USA. Senior Scientist, Gradient, Cambridge, USA. Senior Risk Assessor, URS, Fort Washington, USA.  
**Education:** PhD in Terrestrial Biotic Ligand Model from University of Delaware, United States in 2006. BSc in Civil and Environmental Engineering, Economics from Swarthmore College, United States in 1999.  
**Awards:** National Merit Scholarship (1985) by Government of Nepal. Merit Scholarship (1995) by Swarthmore College.  
**Expertise:** Environmental Risks and Impact Assessments. Human and Ecological Toxicology. Environmental Restoration.  
**Professional Affiliation:** AECOM, 625 West Ridge Pike, Conshohocken, PA 19438, USA.  
**Correspondence:** **Mailing Address:** 625 West Ridge Pike. **Phone number/Cell:** 6108323592. **E-mail:** thakali@gmail.com



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**684. Sahira Joshi (F; 1963; Lalitpur, Nepal)**

**Category:** Chemistry.  
**Current Affiliation:** Associate Professor, Pulchowk Campus, Tribhuvan University, Institute of Engineering.  
**Past Experiences:** Lecturer in Chemistry, Pulchowk Campus, Tribhuvan University. Assistant Lecturer in Chemistry, Pulchowk Campus, Tribhuvan University.  
**Education:** PhD in Chemistry-Nanopore Engineering of Activated Carbon from LignoCellulosic Materials for Defluoridation of Water from Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal in 2016. MSc in Organic Chemistry from Central Department of Chemistry, Tribhuvan University, Nepal in 1989. BSc in Chemistry, Botany, Zoology from Tri-Chandra Campus, Tribhuvan University, Nepal in 1987.  
**Awards:** Nepal Vidhya Bhusan 'Ka' (2018) by President of Nepal.  
**Expertise:** Activated Carbon Adsorption.  
**Professional Affiliation:** Pulchowk Campus, Institute of Engineering, Tribhuvan University.  
**Correspondence:** **Mailing Address:** Sanepa, Lalitpur, Nepal. **Phone number/Cell:** 9841358918. **E-mail:** sjoshi61@hotmail.com



**685. Sailesh Chitrakar (M; 1989; Lalitpur, Nepal)**

**Category:** Hydropower. Turbines and Turbomachineries. Sediment. Wear (Tribology). Fluid Mechanics. Computational Fluid Dynamics. Finite Element Method.

**Current Affiliation:** Lecturer, Kathmandu University, Dhulikhel.

**Past Experiences:** Senior Researcher, Turbine Testing Lab, Kathmandu University.

**Education:** PhD in Secondary Flow and Sediment Erosion in Francis Turbines from Norwegian University of Science and Technology and Kathmandu University (Joint Degree), Norway in 2015-2018. MSc in Turbomachinery and Aeromechanics from Royal Institute of Technology, Sweden in 2011-2013. BE in Mechanical Engineering from HAMK University of Applied Sciences, Finland in 2011.

**Awards:** Vidhya Bhusan Award (2019) by Honorary President of Nepal.

**Expertise:** Computational Fluid Dynamics. Hydropower. Turbine Technology.

**Professional Affiliation:** Kathmandu University, Turbine Testing Lab.

**Correspondence:** **Mailing Address:** Lagankhel, Lalitpur-6, Nepal. **Phone number/Cell:** 9843386214. **E-mail:** sailesh@ku.edu.np



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**686. Sailesh Ranjitkar (M; 1977; Kathmandu, Nepal)**

**Category:** Agroforestry.

**Current Affiliation:** Head, Tree Productivity and Diversity Unit, World Agroforestry, East and Center Asia Region, 132 Landed Road, Kunming Institute of Botany, Chinese Academy of Sciences, Yunnan, China.

**Past Experiences:** Lecturer, Khwopa College.

**Education:** PhD in Phenology, Mountain Ecology from Chinese Academy of Sciences, Kunming Institute of Botany, China in 2012. MSc in Ethnobotany/Pharmacognosy from Tribhuvan University, Central Department of Botany, Nepal in 2003. BSc in Botany from Tribhuvan University, Tri-Chandra Multiple College, Nepal in 2001.

**Awards:** Nepal Vidhya Bhusan (2013) by Government of Nepal.

**Expertise:** Plant Phenology. Ecological Modelling. Agroforestry.

**Professional Affiliation:** Ethnobotanical Society of Nepal.

**Correspondence:** **Mailing Address:** 293 Nisthananda Marg, Jhochhen Tole, Kathmandu-23, Nepal. **Phone number/Cell:** 9851259500. **E-mail:** sailesh.ranjitkar@gmail.com



**687. Sajan Lal Shyaula (M; 1979; Kavrepalanchok, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Senior Scientist, Nepal Academy of Science and Technology, Khumaltar, Lalitpur.

**Education:** PhD in Isolation and Structure Elucidation of Bioactive Compounds from *Osyris wightiana* and other Nepalese Medicinal Plants from HEJ Research Institute of Chemistry, International Centre for Chemical and Biological Sciences, University of Karachi, Pakistan in 2010. MSc in Organic Chemistry from Tribhuvan University, Nepal in 2003. BSc in Chemistry from Tribhuvan University, Nepal in 2001.

**Awards:** CAS TWAS Post Doctoral Fellowship Award (2013) by CAS-TWAS. TWAS Young Scientist Award (2012) by NAST.

**Expertise:** • Bio-Assay Guided Isolation of Chemical Constituents and its Structure Determination by Modern Spectroscopic Techniques.

**Correspondence:** **Mailing Address:** Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** 9849340555. **E-mail:** chemistshyaula@yahoo.co.in



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**688. Saket Jha (M; 1985; Kathmandu, Nepal)**

**Category:** Clinical Immunology. Rheumatology.

**Current Affiliation:** Consultant, Om Hospital and Research Center Pvt Ltd, Chabahil, Kathmandu, Nepal 44600.

**Past Experiences:** Junior Resident (2013-2015), All India Institute of Medical Sciences. Senior Resident (2016-2019), Post Graduate Institute of Medical Education and Research.

**Education:** DM in Clinical Immunology and Rheumatology from Post Graduate Institute of Medical Education and Research, India in 2019. MD in Internal Medicine from All India Institute of Medical Sciences, India in 2015. MBBS from BP Koirala Institute of Health Sciences, Nepal in 2010.

**Awards:** Travel Bursary (2019) by European League Against Rheumatism (EULAR). Poster Presentation-2nd Prize (2018) by 1st Vasculitis Symposium, PGIMER. IRA Research Grant (2017) by Indian Rheumatology Association.

**Expertise:** Rheumatology. Clinical Immunology. Internal Medicine.

**Professional Affiliation:** Nepal Rheumatology Association. Indian Rheumatology Association. Society of Internal Medicine of Nepal.

**Correspondence:** **Mailing Address:** 83/Bulbule Marg, CDO Tole, New Baneshwor-10, Kathmandu, Nepal. **Phone number/Cell:** 9841549152. **E-mail:** sakjhaa@gmail.com



**689. Salina Shrestha (F; 1980; Lalitpur, Nepal)**

**Category:** Environment Science.

**Current Affiliation:** Research and Program Coordinator, Center of Research for Environment, Energy and Water, Baluwatar, Kathmandu-4, Nepal.

**Past Experiences:** Research and Program Coordinator, Center of Research for Environment, Energy and Water.

**Education:** PhD in Natural, Biotic and Social Environment Engineering-Analysis on Household Water Insecurity, Health and the Feasibility of Alternative Techniques for Sustainable Water Use in Developing Country Settings from University of Yamanashi, Japan in 2013. MSc in Environment Science-Water Supply Situation of Squatter Communities of the Kathmandu Valley from College of Applied Sciences Tribhuvan University, Nepal in 2010. BSc in Environment Science from Vishwa Niketan Science Campus, Tribhuvan University, Nepal in 2006.

**Awards:** Nepal Vidhya Bhusan Medal 'Ka' (2014) by Government of Nepal. Japanese Government (Monbukagakusho: MEXT) Scholarship (2010) by Government of Japan. CREEW Research Grant (2008) by Center of Research for Environment, Energy and Water.

**Expertise:** Water. Environment and Health.

**Professional Affiliation:** Center of Research for Environment, Energy and Water.

**Correspondence:** **Mailing Address:** Ikhachhen, Lalitpur-11, Nepal. **Phone number/Cell:** 9841339368. **E-mail:** 07salna.shrestha@gmail.com



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**690. Samendra P Sherchan (M; 1986; Kathmandu, Nepal)**

**Category:** Water Quality. Environmental Microbiology. Infectious Diseases. WASH.

**Current Affiliation:** Assistant Professor, Tulane University, 1440 Canal St. New Orleans, LA 70112 USA.

**Past Experiences:** Assistant Professor, California State University- Fresno. Research Associate, University of Arizona.

**Education:** PhD in Soil, Water and Environmental Science from University of Arizona, United States in 2013. MSc in Environmental Microbiology from Georgia College, United States in 2011. BSc in Biology and Environmental Science from Georgia College, United States in 2009.

**Awards:** Outstanding Graduate Student (2013) by Georgia College. Best Poster (2011) by WERF.

**Expertise:** Water Quality. Environmental Microbiology. Infectious Diseases.

**Correspondence:** **Mailing Address:** 1440 Canal St. New Orleans, LA 70112 USA. **Phone number/Cell:** 5049887283. **E-mail:** sawmendra@gmail.com.



**691. Samir Singh (M; 1978; Dhanusa, Nepal)**

**Category:** Biochemistry.

**Current Affiliation:** Associate Professor, KIST Medical College and Teaching Hospital, Imadol, Lalitpur, Nepal.

**Past Experiences:** Lecturer, MB Kedia Dental College, Birgunj.

**Education:** PhD in Status of Thyroid hormone in patient with chronic kidney disease from Jaipur National University, India in 2016. MSc in Variation in lipid profile among normal and diseased individual from Bundelkhand University, India in 2007. BSc in Microbiology from University of Delhi, India in 2004.

**Awards:** Vidhya Bhusan Gold Medal Class 'A' (2017) by President of Nepal Ministry of Education. Best Medical Faculty Award (2017) by KIST Medical College.

**Expertise:** Chronic Kidney Disease. Diabetes. Lipid Profile.

**Professional Affiliation:** KIST Medical College.

**Correspondence:** **Mailing Address:** Sun City Apartment, Flat No: I-1104, Pepsicola, Kageshwari Manahara, Kathmandu, Nepal. **Phone number/Cell:** 9851106888. **E-mail:** samirbiochem.jnu@gmail.com



**692. Samjhana Pradhan (F; 1986; Kaski, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Chemist/Research Officer, Government of Nepal, Nepal.

**Past Experiences:** Water Chemist, Regional Monitoring and Surveillance Office, Ministry of Urban Development, Government of Nepal. Research Officer, Natural Product Research Laboratory, Ministry of Forestry and Soil Conservation, Government of Nepal. Analytical Chemist, Nepal Bureau of Standards and Metrology, Ministry of Industry, Government of Nepal.

**Education:** PhD in Facile Synthesis of Heterogeneous Metal Oxide and Nanocomposites for their Application in the Development of Novel Organic Reactions from Yeungnam University, Republic of Korea in 2020. MSc in Spectrophotometric Determination of Phosphate in Sugarcane Juice, Fertilizer, Detergent and Waste Water by Molybdenum Blue Method from Tribhuvan University, Nepal in 2007-2009. BSc in Chemistry from Prithvi Narayan Campus, Nepal in 2004-2007.

**Awards: •** BK-21 (Brain Korea-21) Scholarships for PhD Programme (2016-2020) by BK-21. Outstanding Foreign Scholarships for PhD Programme (2016-2020) by Yeungnam University. Clean Energy Priority Research Center (Supported by MOE) Scholarship for PhD Programme (2016-2020).

**Expertise: •** Designing of Ordered Porous Metal Oxide and Metal Oxide Nanocomposites. Operating Instruments Such as XRD (Bulk), FTIR, UV-Vis Spectrophotometer, Fluorescence Spectrophotometer and NMR. TEM, SEM, XPS, BET, TGA Analysis for Nanoparticle Characterization. Antibacterial Assay Evaluation of UV and Fluorescence Spectroscopy for Metal Sensing.

**Professional Affiliation:** Natural Product Research Laboratory, Ministry of Forestry and Soil Conservation, Government of Nepal. Regional Monitoring and Surveillance Office, Ministry of Urban Development, Government of Nepal. Nepal Bureau of Standards and Metrology, Ministry of Industry, Government of Nepal.

**Correspondence:** **Mailing Address:** Pokhara, Nepal. **Phone number/Cell:** +82 010-5061-9336. **E-mail:** samynu314@gmail.com



**693. Sanam Kumar Aksha (M; 1981; Nuwakot, Nepal)**

- Category:** Vulnerability. Resilience. Disaster. Geospatial Analysis. Environmental Science.
- Current Affiliation:** Post-Doctoral Researcher, University of Central Florida, Orlando, Florida, USA.
- Past Experiences:** Research Associate, ICIMOD.
- Education:** PhD in Geospatial and Environmental Analysis from Virginia Tech, United States in 2018. MSc in Risk and Environmental Hazards from Durham University, United Kingdom in 2013. BSc in Environmental Science from Tribhuvan University, Nepal in 2005.
- Awards:** AK Chakravarti Award for Best Graduate Student Paper on South Asia (2019) by American Association of Geographers (AAG). Best Graduate Student Paper Award, Asian Geography Specialty Group (2018) by American Association of Geographers (AAG). AB Massey Outstanding Doctoral Student Award (2017) by College of Natural Resources and Environment, Virginia Tech.
- Expertise:** Empirical: Social Vulnerability, Disaster, Community Resilience, Hazard Risk Assessment, Human-Environment Interaction, Human Dimensions of Global Environmental Change, Sustainable Development. Methodology: Geospatial Modeling, Spatial Analysis, Mixed Methods, Hydrological Modeling, Remote Sensing, Machine Learning. Study Area: Nepal, Himalaya, United States.
- Professional Affiliation:** American Association of Geographers (AAG). The Association for Nepal and Himalayan Studies (ANHS).
- Correspondence:** **Mailing Address:** Florida, USA. **Phone number/Cell:** (+1) 352 215 7377. **E-mail:** sanam.aksha@gmail.com



**694. Sandeep Shrestha (M; 1977; Morang, Nepal)**

**Category:** Environmental Science.

**Current Affiliation:** Assistant Professor, Department of Environmental Science and Engineering, Kathmandu University.

**Past Experiences:** Lecturer, Kathmandu University.

**Education:** PhD in Environmental Science from Kathmandu University, Nepal in ongoing. MSc in Environmental Science from Kathmandu University, Nepal in 2001-2003. BSc in Environmental Science from Kathmandu University, Nepal in 1997-2001.

**Awards:** Current and Aspiring Faculty Fellow Award (2016) by Russel E Train Education For Nature (EFN) Program, WWF, USA. Visting PhD Scholar in University of Algarvae, Portugal (2018) by Erasmus+ Merging Voices International Credit Mobility Program, European Union.

**Expertise:** Wildlife Ecology and Genetics. Water Quality Assessmen. Air Quality Assessment.

**Professional Affiliation:** Department of Environmental Science and Engineering, Kathmandu University, Dhulikhel, Nepal.

**Correspondence:** **Mailing Address:** Department of Environmental Science and Engineering, Kathmandu University. **Phone number/Cell:** 11661399, 9869370619. **E-mail:** sandeep@ku.edu.np



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**695. Sandip Shah (M; 1964; Kapilvastu, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Managing Director, Dolma Himalayan Energy, Hiti Sadan, Durbar Marg, Kathmandu.

**Past Experiences:** General Manager, Himal Power Ltd. Vice-President and Country Director, Statkraft Nepal. General Manager, Bhote Koshi Power Company Ltd.

**Education:** PhD in A Study of the Behavior of Jointed Rock Masses from University of Toronto, Canada in 1992. Master of Applied Science (MASc) in 3D Finite Element Modeling for Structural Analysis from University of Toronto, Canada in 1988. BE in Civil Engineering from University of Roorkee, India in 1986.

**Awards:** Mahendra Vidhya Bhusan-Class A (1993) by Government of Nepal.

**Expertise:** Rock Engineering. Hydropower Project Development. Construction. O and M Management. Solar and other Energy Renewables Development and Management.

**Professional Affiliation:** Fellow, International Hydropower Association. Life Member, Nepal Tunnelling Association. Founder Member, Independent Power Producers' Association, Nepal.

**Correspondence:** **Mailing Address:** 150 Byayam Marg, Bhatbhateni. **Phone number/Cell:** +9779801025634. **E-mail:** sandipshah.gm.2005@gmail.com



**696. Sangeeta (Karki) Singh Deuja (F; 1976; Kathmandu, Nepal)**

**Category:** Health and Science- HIV/AIDS/STIs in Street Children.

**Past Experiences:** Executive Director, WE-WOMEN, Banepa, Kavre. Public Health Consultant, Family Health International (FHI) 360. Post Graduate Researcher, University of Huddersfield, UK.

**Education:** PhD in Risks and Vulnerability to HIV, STIs and AIDS Among Street Children in Nepal: Public Health Approach from University of Huddersfield, UK in 2013. MPH in HIV/AIDS Situation in Nepal: Transition to Women from Linköping University, Sweden in 2008. MSc (Zoology with Special Paper in Parasitology) in Prevalence of Intestinal Parasites (Zoonotic Diseases) in Human and Dog of Kathmandu Metropolitan City Nepal from Central Department of Zoology, Tribhuvan University, Nepal in 2008. BSc in Physics/ Chemistry/ Biology from Tri-Chandra College, Nepal in 1997.

**Awards:** Nepal Vidhya Bhusan Padak 'A' (2015) by Government of Nepal. Erasmus Mundus Scholarships to Study Masters Degree in Health and Welfare (MPH) in Linköping University Sweden, and in Ecole de Etudes en Sciences Sociales et Université de Paris (2006) by Sweden. Fee Waiver Scholarships to Study PhD (2008) by the University of Huddersfield, UK.

**Expertise:** Zoology. Parasitology. Health Science. HIV/AIDS/STIs.

**Professional Affiliation:** Kathmandu University School of Medical Sciences, Dhulikhel Medical Institute, Dhulikhel Hospital, Dhulikhel, Nepal. University of Huddersfield UK. Family Health International 360 (FHI 360), Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Radhe-Radhe, Thimi, Bhaktapur, Nepal. **Phone number/Cell:** 9841191795. **E-mail:** sdeuja72@gmail.com



**697. Sangeeta Rajbhandary (F; 1963; Kathmandu, Nepal)**

**Category:** Botany.

**Current Affiliation:** Professor, Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Academic Coordinator, Erasmus Program, Inter-Institutional Agreement 2017-2019, University of Padua, Italy and Tribhuvan University. Member of the Research Committee of Institute of Science and Technology since January 2019, Institute of Science and Technology, Tribhuvan University. MSc Program Coordinator in Biodiversity and Environmental Management (BEM) (2015-2018), Central Department of Botany, Tribhuvan University.

**Education:** PhD in Systematic Revision of the Genus *Begonia* L. (Begoniaceae) in the Himalayas from Tribhuvan University, Nepal in 2010. MSc in Mycoflora of three Varieties of Soybean (*Glycine max*) from Tribhuvan University, Nepal in 1991. BSc in Botany, Chemistry and Microbiology from Tribhuvan University, Nepal in 1988.

**Awards:** Rastriya Wanaspati Puraskar-2075 (National Botany Award 2019) (2019) by Ministry of Forest and Environment and Department of Plant Resources (DPR). Nabil Science and Technology Award 2015 (2015) by Nepal Academy of Science and Technology (NAST). Gold Medal (2012) by Ministry of Education.

**Expertise:** Taxonomy and Plant Systematics. Fern and Fern Allies of Nepal. Plant Biodiversity and Ethnobotanical Issues (Especially on Medicinal Plants with Different Ethnic Community).

**Professional Affiliation:** Fellow of Linnaean Society since 2014, The Linnaean Society of London, Burlington House, Piccadilly London, W1, UK. Life Member, Nepal Botanical Society. 2018, Kathmandu, Nepal. Life Member (from 1997) Indian Association for Angiosperm Taxonomy (IAAT), India.

**Correspondence:** **Mailing Address:** Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 9841695333. **E-mail:** s.rajbhandary@cdbtu.edu.np



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**698. Sangeeta Singh (F; 1966; Kathmandu, Nepal)**

**Category:** Urban Planning.

**Current Affiliation:** Professor, Institute of Engineering, Harihar Bhawan, Lalitpur.

**Past Experiences:** Director, Astra Development Network.

**Education:** PhD in Elements of Ecocity in Traditional Settlements of Kathmandu Valley from Institute of Engineering, Nepal in 2018. ME in Infrastructure Planning from University of Stuttgart, Germany in 1995. BE in Civil Engineering from Institute of Engineering, Nepal in 1992.

**Awards:** Best Paper Presenter (2018) by Conference Organized in Zurich.

**Expertise:** Ecological Urban Planning. Housing and Settlement Planning and Sustainable City Planning. Gender Mainstreaming for Sustainable Development.

**Professional Affiliation:** Regional Urban Planner's Society Nepal (RUPSON). Nepal Engineering Association (NEA). Centre for Integrated Urban Development (CIUD).

**Correspondence:** **Mailing Address:** Harihar Bhawan, Lalitpur, Nepal. **Phone number/Cell:** 9851002150. **E-mail:** sangeeta@ioe.edu.np



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**699. Sangita Shakya (F; 1969; Lalitpur, Nepal)**

**Category:** Biotechnology.

**Current Affiliation:** Head, Department of Bio-Technology, Kathmandu University, Kavre.

**Past Experiences:** Associate Professor (Since 2013), Kathmandu University, Kavre. Assistant Professor (2003-2013), Kathmandu University, Kavre. Lecturer (1996-2003), Kathmandu University, Kavre.

**Education:** PhD in Biotechnology-Assessment of Arsenic Contamination of Drinking Water Sources and Environmental Microbial Toxicity in Rautahat District, Nepal from Kathmandu University, Kavre, Nepal in 2014. MTech in Industrial Biotechnology-Expression of Early Nodulin Genes in the Nodulation Variants of Chickpea from Anna University, Chennai, India in 2002. BSc in Microbiology from Tri-Chandra Campus, Kathmandu, Nepal in 1991.

**Awards:** Rastriya Vidhya Bhusan 'Ka' (2014) by Ministry of Education, Government of Nepal, Kathmandu, Nepal. Rastriya Sikchhya Puraskar (2009) by Ministry of Education, Government of Nepal, Kathmandu, Nepal. PhD Scholarship Award (2008) from University Grant Commission (UGC) by Sanathimi, Bhaktapur, Nepal.

**Expertise:** Industrial Biotechnology. Microbiology. Bioremediation.

**Professional Affiliation:** Kathmandu University, Dhulikhel, Kavre. Life Member, Nepal Molecular Biology Society (NEMBIS). Life Member, Nepal Biotechnology Association (NBA).

**Correspondence:** **Mailing Address:** Department of Biotechnology, Kathmandu University, Dhulikhel, Kavre, Nepal. **Phone number/Cell:** 9851100114. **E-mail:** sangita@ku.edu.np



**700. Sanjay Kumar Jha (M; 1968; Mahottari, Nepal)**



- Category:** Botany.
- Current Affiliation:** Associate Professor, Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu.
- Past Experiences:** Lecturer, Mechi Multiple Campus, Jhapa. Lecturer, Patan Multiple Campus, Patan Dhoka, Lalitpur.
- Education:** PhD in Botany from DDU, Gorakhpur University, Gorakhpur, UP, India in 2013. MSc in Botany-Characterization of *Sesbenia* spp. from Central Department of Botany, Tribhuvan University, Nepal in 1995. BSc in Botany, Zoology and Chemistry from Bihar University, Muzaffarpur, India in 1990.
- Awards:** Nepal Vidhya Bhusan 'Ka' (2014) by President of Nepal. Eminent Scientist Award (2018) by Agro Environmental Development Society.
- Expertise:** Studies on Macrofungal Diversity of Rupandehi District and Nutritive Value of some Dominant Edible Ones (2014-2015). Funded by Nepal Academy of Science and Technology (NAST), Kathmandu, Nepal. "Participatory Biodiversity and Climate Change Assessment for Integrated Pest Management in the Chitwan Annapurna Landscape, Nepal" Funded by USAID, IPM Innovation lab for 2015-2019. One of the Member of this Project. Enhancing Degradation of *Eichhorniacrassipes* (Mart.) Solms. Compost with Ligno Cellulolytic Fungi and its Potential use as Commercial Mushrooms Substrate, Funded by University Grant Commission, Sanothimi, Bhaktapur, Nepal.
- Professional Affiliation:** Life Member, Botanical Society of Nepal, Botanical Society of Nepal. National Plant Pathologist, Toll Free Hotline Telephone Service Related to Forest Health. Forest Research and Training Center, Babarmahal, Kathmandu. Honorary Member, Agro Environmental Society, Rampur, UP, India.
- Correspondence:** **Mailing Address:** Mahottari, Manrasisba-9, Nepal. **Phone number/Cell:** +9779843051710. **E-mail:** j.sanjay99@yahoo.com

**701. Sanjay Sharma Timilsina (M; 1987; Kaski, Nepal)**

**Category:** Analytical Chemistry. Biomedical Engineering.

**Current Affiliation:** Post-Doctoral Fellow, Harvard Medical School and Wyss Institute at Harvard University, Boston, MA 02115.

**Past Experiences:** Microfluidic Testing Engineer, Prenosis. Graduate Assistant, University of Texas at El Paso.

**Education:** PhD in Chemistry-Low-Cost Detection of Infectious Diseases and Cancer Biomarkers in Microfluidic Devices from University of Texas at El Paso, United States in 2018. MSc in Biotechnology from Bangalore University, India in 2012. BSc in Chemistry, Genetics, Biotechnology from Bangalore University, India in 2010.

**Awards:** Best Dissertation Award (2018) by College of Science, UTEP. Graduate Award for Academic and Research Excellence in Chemistry (2018) by University of Texas at El Paso. Frank B. Cotton Trust Scholarship (2017-2018) by University of Texas at El Paso.

**Expertise:** Development. Validation. Quality Control for Immunoassay. Sensor Fabrication and Integration into Novel Diagnostic Platform. Development. Optimization. Troubleshooting of Microfluidic Medical Devices.

**Correspondence:** **Mailing Address:** 11 Joseph Street, Unit 3, Boston, MA, 02124. **Phone number/Cell:** 1-915-255-5571. **E-mail:** sanjaytimilsina@gmail.com



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**702. Sanjeeb Shrestha (M; 1984; Lalitpur, Nepal)**

**Category:** Biomedical Science.

**Current Affiliation:** Post-Doctoral Researcher, Kyungpook National University, School of Medicine, 680 Gukchaebosang-ro, Jung-gu, Daegu, South Korea.

**Education:** PhD in Immunology from Hallym University, Republic of Korea in 2016. MSc in Microbiology (Medical) from KCMS/Tribhuvan University, Nepal in 2009. BSc in Microbiology from Tri-Chandra Multiple College, Tribhuvan University, Nepal in 2005.

**Expertise:** Neutrophil Biology. Flow Cytometry. Immunometabolism.

**Correspondence:** **Mailing Address:** Department of Physiology, Kyungpook National University, School of Medicine, 680 Gukchaebosang-ro, Jung-gu, Daegu, South Korea/Ombhal, Chysal, Lalitpur-9, Kathmandu, Nepal. **Phone number/Cell:** +821035861435, +9779841341934. **E-mail:** sanjeebs20012@gmail.com



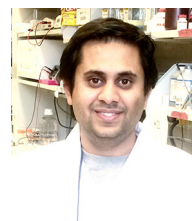
**703. Sanjiv Neupane (M; 1982; Dolakha, Nepal)**

- Category:** Cell and Developmental Biology.
- Current Affiliation:** Post-Doctoral Research Associate, Department of Biochemistry and Cell Biology, Stony Brook University, Center for Molecular Medicine, New York, USA.
- Past Experiences:** Post-Doctoral Fellow (2017-2018), Craniofacial Nerve-Bone Research Center, Kyungpook National University, Daegu, Republic of Korea. Post-Doctoral Researcher (2016-2017), Craniofacial Dysfunction Research Center, Kyungpook National University, Daegu, Republic of Korea. Teacher, Kalinchowk Higher Secondary School, Charikot, Dolakha.
- Education:** PhD in Dentistry (Oral Biology)-Developmental Signaling Regulations in Craniofacial Morphogenesis from School of Dentistry, Kyungpook National University, Republic of Korea in 2016. MSc in Medical Microbiology-Isolation, Identification and Plasmid Profiling of Multidrug Resistant Bacterial Pathogens Isolated from UTI Patients from Central Department of Microbiology, Tribhuvan University, Nepal in 2008. BSc in Microbiology from Tri-Chandra Multiple College, Tribhuvan University, Nepal in 2004.
- Awards:** Early Career Research Scientist Grant (2017-2019) ) by National Research Foundation Korea. Invited Speaker (Young Scientist Forum) (2015) by International Conference of the Genetics Society of Korea. KNU Honors Scholarship (2012) by Kyungpook National University.
- Expertise:** *In-vivo* Animal Studies. Embryology. Histology and Genetics. Molecular Biology and Developmental Signaling of Organogenesis (Brain, Eye, Tooth, Palate, Tongue and Salivary Gland).
- Professional Affiliation:** Korean Association of Anatomists, Korea. International Association for Dental Research, Korean Division. Society for Developmental Biology, USA.
- Correspondence:** **Mailing Address:** 127 E Main St, APT 205, Smithtown, 11787, NY, USA. **Phone number/Cell:** 6316378208. **E-mail:** sanjiv.knu@gmail.com



**704. Sanjivan Gautam (M; 1983; Kaski, Nepal)**

- Category:** Immunology. Cancer Immunotherapy. Cancer Biology. Clinical Trials. Life Science.
- Current Affiliation:** Senior Research Scientist and Group Leader-Research (Cancer Immunotherapy), Gilead Sciences, 6301 Shellmound St Apt 523, Emeryville, CA 98604.
- Past Experiences:** Scientist, National Cancer Institute, National Institutes of Health, USA. Post-Doctoral Fellow, National Cancer Institute, National Institutes of Health, USA. Doctoral Fellow, University of Freiburg, Germany.
- Education:** PhD in Immunology from University of Freiburg, Germany in 2013. MSc in Biotechnology-Molecular Medicine from Jawaharlal Nehru University, India in 2009. BSc in Medical Laboratory Science from Manipal University, India in 2007.
- Awards:** Outstanding Research Accomplishment (2019) by National Cancer Institute. German Government Excellence Initiatives Fellowship (2009) by German Government. Nepal Vidhya Bhusan (2008) by Government of Nepal.
- Expertise:** Immunology. Immunodeficiencies. Infectious Diseases. Molecular and Cellular Immunology. Cancer Biology. Cancer Immunotherapy. Cellular Metabolism. Clinical Trials. Chimeric Antigen Receptor (CAR-T) Therapy.
- Professional Affiliation:** National Cancer Institute. Gilead Sciences. University of California Berkeley.
- Correspondence:** **Mailing Address:** 6301 Shellmound St Apt 523, Emeryville, CA 98604. **Phone number/Cell:** 2405067054. **E-mail:** sanjivan@outlook.com



**705. Sanju Shrestha (F; 1967; Kathmandu, Nepal)**

**Category:** Physics.

**Current Affiliation:** Assistant Professor, Central Department of Physics, Tribhuvan University, Kirtipur.

**Past Experiences:** Assistant Professor, Tribhuvan University. Teaching Assistant, Sanathimi Campus, TU.

**Education:** PhD in Physics from TU, Nepal in 2006. MSc in Physics from TU, Nepal in 1994. BSc in Physics, Statistics and Mathematics from TU, Nepal in 1989.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2014) by Government of Nepal. Visiting Scholar in Central of Excellencies (2008) by The Third World Academy of Sciences (TWAS). Third World Organization for Women in Science (TWOWS) Fellowship (2000) by The Third World Academy of Sciences (TWAS).

**Expertise:** Bulk and Low Dimensional Devices. Hydrogen Sensor. Nanotechnology.

**Professional Affiliation:** Jamia Millia Islamia, Delhi. Indian Institute of Technology, Delhi. Jadavpur University (JU), Kolkata, India.

**Correspondence:** **Mailing Address:** Central Department of Physics, TU. **Phone number/Cell:** 4331054/9841406928. **E-mail:** sshrestha@tucdp.edu.np

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**706. Santosh Kumar Bashyal (M; 1982; Lalitpur, Nepal)**

**Category:** Clinical Science. Health Care. Orthopedic. Spine.

**Current Affiliation:** Lecturer/Consultant, Devdaha Medical College Research Institute, Bhaluhi-09, Rupandehi, Nepal.

**Past Experiences:** Clinical Scientist (ICRT), Harvard Medical School (USA). Research Fellow, HRDC/B&B Hospital.

**Education:** PhD in Percutaneous Endoscopic Cervical Discectomy and Osteophytes Removal Via an Anterior Transforaminal Approach for Radiculopathy, Technical Notes and Review from Chongqing Medical University, China in 2017. Master of Surgery in Orthopedics in Spine/Surgical Strategy of Lumbar Disc Degenerative Disease from Zhengzhou University, China in 2013. MBBS from Kathmandu University, Nepal in 2007.

**Awards:** Vidhya Bhusan 'Ka' (Presidential Gold Medal) (2019) by President of Nepal (Science and Education ministry). Young Orthopedic Travel Grant Award (2019) by APOA (Asia Pacific Orthopedic Association). China Government Scholarship for PhD (2014) by China Government Ministry of Education.

**Expertise:** Clinical Scientist. Orthopedic/Spine Research. Spiritual Medicine (Buddhism).

**Professional Affiliation:** Harvard Medical School. AO Spine. Spine Surgery of Nepal Orthopedic Association.

**Correspondence:** **Mailing Address:** Devdaha Medical College, Bhaluhi-9, Devdaha, Rupandehi, Nepal. **Phone number/Cell:** 9779844795807. **E-mail:** drbashyalmdphd@gmail.com

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### 707. Santosh Nepal (M; 1980; Palpa, Nepal)

- Category:** Climate Change. Mountain Hydrology. Hydrological Modelling. Snow and Glacier Melt. Upstream-Downstream Linkages.
- Current Affiliation:** Climate and Hydrology Group Leader and Water and Climate Specialist, International Centre for Integrated Mountain Development, ICIMOD, Nepal.
- Past Experiences:** Researcher, Friedrich Schiller University of Jena, Germany. Research Associate, International Centre for Integrated Mountain Development. Environmental Officer, Butwal Power Company.
- Education:** PhD in Mountain Hydrology and Climate Change from Friedrich Schiller University of Jena, Germany in 2012. MSc in Environmental Management from Pokhara University, Nepal in 2003. BSc from Tribhuvan University, Nepal in 2001.
- Awards:** Young Scientist Award (2016) by NAST. Mahendra Vidhya Bhusan 'Ka' (2013) by Ministry of Education.
- Expertise:** Climate Change and its Impact on Water Resources. Mountain Hydrological Assessment and Hydrological Modelling. Environmental Management. Watershed Management. Upstream Downstream Linkages.
- Professional Affiliation:** Member, Society of Hydrologist and Meteorologist (SOHAM). Member, Nepal Environmental Society (NES).
- Correspondence:** **Mailing Address:** GPO Box 3226, Kathmandu, Nepal. **Phone number/Cell:** 9802011131. **E-mail:** Santosh.Nepal@icimod.org



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### 708. Santosh Pandit (M; 1987; Pyuthan, Nepal)

- Category:** Microbiology.
- Current Affiliation:** Researcher, Chalmers University of Technology, Gothenburg, Sweden.
- Past Experiences:** Post-Doctoral, Chonbuk National University, Republic of Korea.
- Education:** PhD in Biofilm and Dental Caries from Chonbuk National University, Republic of Korea in 2014. MSc in Biofilm and Dental Caries from Chonbuk National University, Republic of Korea in 2011. BSc in Medical Lab Technology from Rajiv Gandhi University of Health Sciences, India in 2007.
- Awards:** Beomho Academic Award (2012) by Korean Academy of Oral Health.
- Expertise:** Microbial Biofilms. Biomaterials. Oral Health.
- Professional Affiliation:** Chalmers University of Technology. Department of Biology and Biological Engineering, Division of Systems and Synthetic Biology, Kemigården Göteborg, Sweden.
- Correspondence:** **Mailing Address:** Department of Biology and Biological Engineering Division of Systems and Synthetic Biology Kemigården 1 SE-412 96 Göteborg, Sweden. **Phone number/Cell:** +46729484011. **E-mail:** pandit@chalmers.se



**709. Santosh Prasad Bhandari (M; 1969; Kaski, Nepal)**

**Category:** Remote Sensing. Mapping.

**Current Affiliation:** Remote Sensing Specialist, Indufor Asia Pacific, 55 Shortland Street, Auckland, New Zealand.

**Past Experiences:** Researcher/PhD Candidate, The university of Queensland, Australia. Forest Officer, Department of Forest, Nepal.

**Education:** PhD in Monitoring Forest Dynamics using Time Series of Satellite Image Data in Queensland, Australia from The University of Queensland, Australia in 2011. MSc in Geo-information Science and Earth Observation from ITC, Enschede, Netherlands in 2003. BSc in Forestry from Institute of Forestry, TU, Nepal in 1994.

**Awards:** PhD (2011) by University of Queensland.

**Expertise:** Remote Sensing and GIS. Mapping and Monitoring Natural and Built Environments. Forestry.

**Correspondence:** **Mailing Address:** Auckland, NZ. **Phone number/Cell:** 021540189. **E-mail:** santoshpbhandari@gmail.com



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**710. Sarala Manandhar (F; 1970; Kathmandu, Nepal)**

**Category:** Cancer Biology.

**Current Affiliation:** Research Scientist, Research Institute of Bioscience and Biotechnology (RIBB), Ekantakuna-Tikabhairab Rd, Lalitpur-44600.

**Past Experiences:** Contract Professor, Kyungpook National university, Daegu, South Korea. Post-Doctoral fellow, Kyungpook National University, Daegu, South Korea. Research and Extension Scientist, Institute of Ecology and Environment, Nepal.

**Education:** PhD in Cancer Biology-Chemosensitization of the Human Cancer Cells by Silencing of the NRF2-Antioxidant System from Kyungpook National University, College of Pharmacy, Daegu, South Korea in 2011. MSc in Botany-Environment Impact Assessment from Tribhuvan University, Department of Botany, Nepal in 1996. BSc in Biology from Tribhuvan University, Tri-Chandra College, Nepal in 1993.

**Awards:** Gold Medal Nepal Vidhya Bhusan (2012) by Ministry of Education, Nepal. Doctoral Dissertation Fellowship (KRF-2007-211-E00012) (2007) by Korean Research Foundation (KRF), Government of Korea. Outstanding Poster Award, Jeju, South Korea (2007) by International Association of Environmental Mutagen Societies (IAEMS).

**Expertise:** Cancer Cell Stemness. Cancer Chemoresistance and Signaling. Tumor Vascularization and Subsequent Normalization.

**Professional Affiliation:** Research Institute of Bioscience and Biotechnology (RIBB). Kyungpook National University, College of Pharmacy. Institute of Ecology and Environment.

**Correspondence:** **Mailing Address:** Hattigauda, Budhanilkantha, Nepal. **Phone number/Cell:** 9843737650. **E-mail:** sa\_mdr@yahoo.com



**711. Saraswati Acharya (F; 1981; Rasuwa, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Assistant Professor, Kathmandu University, School of Science, Department of Mathematics.

**Past Experiences:** Assistant Professor, Kathmandu University.

**Education:** PhD in Bio-Mathematics (Mathematical Modeling) from Kathmandu University, School of Science, Nepal in 2015. MEd in Mathematics from Central Campus, Kirtipur, Nepal in 2006. BEd in Mathematics from Mahendra Ratna Campus, Nepal in 2003.

**Awards:** The World Academy of Science Award (TWAS-2016) (2016) by NAST. Nepal Vidhya Bhusan 'Ka' (2016) by Government of Nepal on 37th Education day-2073. Mathematical Sciences Excellence Award (2019) by Mathematical Sciences Trust.

**Expertise:** Numeric ODEs and PDEs. Bio-Mathematics. Computational Mathematics.

**Correspondence:** **Mailing Address:** Uttargaya-5, Rasuwa, Nepal. **Phone number/Cell:** 98511117914. **E-mail:** saraswati.acharya@ku.edu.np



**712. Saraswati Neupane (Subedi) (F; 1981; Nawalparasi, Nepal)**

**Category:** Agricultural Entomology.

**Current Affiliation:** Senior Scientist, National Maize Research Program, Nepal Agricultural Research Council (NARC), Government of Nepal, Rampur, Chitwan, Nepal.

**Past Experiences:** Scientist, Nepal Agricultural Research Council, Grain Legumes Research Program, Khajura, Banke, Nepal. Scientist, Nepal Agricultural Research Council, National Maize Research Program, Rampur, Chitwan, Nepal. Senior Scientist, Nepal Agricultural Research Council, National Maize Research Program, Rampur, Chitwan, Nepal.

**Education:** PhD in Entomology from Tribhuvan University, Institute of Agriculture and Animal Science (IAAS), Nepal in 2017. MSc in Agriculture (Entomology) from Tribhuvan University, Institute of Agriculture and Animal Science (IAAS), Rampur, Chitwan, Nepal in 2008. BSc in Agriculture from Tribhuvan University, Institute of Agriculture and Animal Science (IAAS), Rampur, Chitwan, Nepal in 2006.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2018) by Ministry of Education, Science and Technology, Nepal. PhD Thesis Research Grant (2011) by Nepal Agricultural Research Council (NARC), Nepal. Master Thesis Research Grant (2007) by National Agricultural Research and Development Fund (NARDF), Nepal.

**Expertise:** Insect Pest Management. Host Resistance. Insect Pest Forecasting. Integrated Pest Management. Scientific Data Analysis and Publication (Journal Editorial Board Affiliation and Manuscripts Ad Hoc Review), Plant Pest Diagnosis and Laboratory Services.

**Professional Affiliation:** Government of Nepal, Nepal Agricultural Research Council (NARC), National Maize Research Program, Rampur, Chitwan, Nepal. SAHAMATI (An Institution Dedicated for Community Plus Humane Development), Gaidakot, Nawalparasi, Nepal.

**Correspondence:** **Mailing Address:** Government of Nepal, Nepal Agricultural Research Council (NARC), National Maize Research Program, Rampur, Chitwan, Nepal. **Phone number/Cell:** 9845068530. **E-mail:** sarusanu2017@gmail.com



**713. Sarbesh Kumar Jha (M; 1974; Saptari, Nepal)**

**Category:** Intervention Cardiology. Medicine.

**Current Affiliation:** Cardiologist, Koshi Hospital, Biratnagar, Morang, Nepal.

**Past Experiences:** Lecturer, Zhengzhou University. RH Specialist, UNFPA. Training Coordinator, ADRA.

**Education:** PhD in Role of CMR in CTO Patients from Zhengzhou University, China in 2017. MD Cardiology in Novel Technique to Use of Sodium Nitroprusside During PCI from Zhengzhou University, China in 2013. MBBS from Zhengzhou University, China in 2002.

**Awards:** Nepal Vidhya Bhusan (2018) By President of Nepal. Best Employer of The Year (2007) By UNFPA. Best Coordinator (2007) By Un Ocha.

**Expertise:** International Speaker in Cardiology. Intervention Cardiology. Public Health Expert.

**Professional Affiliation:** European Society of Cardiology-756503. Nepal Medical Council-4715. Nepal Medical Association Life Member-2728.

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**714. Sarita Wagley Poudyal (F; 1959; Kathmandu, Nepal)**

**Category:** Chemistry and Environment.

**Current Affiliation:** Professor, Tri-Chandra Campus, TU, Ghantaghar, Kathmandu.

**Past Experiences:** Associate Professor, Schemes, Nepal Engineering College. International Industrial Environmental Management Expert, FCG, Finland. Industrial Environmental Management Consultant, Free Lancer.

**Education:** PhD in Environmental Science (Chemistry) from Singhanian University, India in 2014. MSc in Organic Chemistry from Tribhuvan University, Nepal in 1980. BSc in Zoology from Tri-Chandra Campus, Nepal in 1975.

**Awards:** MSC in Pulping Tech, NORAD Scholarship (1997-1999) by Asian Institute of Technology, Thailand. PGD in Pulping Technology, NORAD (1990-1991) by Norwegian Institute of Technology.

**Expertise:** Environmental Management System (EMS) Consultant. Cleaner Production (CP) Consultant. Industrial Environmental Management Expert.

**Professional Affiliation:** Member, AIT Alumni Association (AITAA). Member, Third World Women of Science and Technology (TWOWS). Member, Nepal Chemical Society (NCS).

**Correspondence:** **Mailing Address:** House No 64 Sanogaucharan, Maligaon, Kathmandu, Nepal. **Phone number/Cell:** 9841342760. **E-mail:** saritapoudyal@gmail.com



**715. Sarmila Tandukar (F; 1983; Lalitpur, Nepal)**

**Category:** Environmental Engineering.

**Current Affiliation:** Researcher, University of Yamanashi, 4 Chome-4-37 Takeda, Kofu, Yamanashi 400-8510.

**Past Experiences:** Health Researcher, Public Health Research Laboratory, Tribhuvan University Teaching Hospital.

**Education:** PhD in Environmental Engineering from University of Yamanashi, Japan in 2019. MSc in Medical Microbiology from Tribhuvan University, Nepal in 2006. BSc in General Microbiology from National College, Nepal in 2002.

**Awards:** Mini Research Grant (2012) by University of Grant Commission. Excellent Presentation Award (2018) by Water and Environment Technology Conference. Scholarship for Authors of Best Abstracts from Developing Countries (2019) by IWA HRWM.

**Expertise:** Virology.

**Correspondence:** **Mailing Address:** Sanepa, Lalitpur, Nepal. **Phone number/Cell:** 9841759874. **E-mail:** sar1234tan@gmail.com



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**716. Saroj Karki (M; 1985; Morang, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Irrigation Engineer, Department of Water Resources and Irrigation, Jawalakhel, Lalitpur.

**Past Experiences:** Researcher, Disaster Prevention Research Institute, Kyoto University. Lecturer, Kathmandu Engineering College, Kalimati. Design Engineer, Hydro-Solution Pvt Ltd, Kathmandu.

**Education:** PhD in Fluvial Hydraulics-Hydro-Morphological Study of Meandering Channel with Groynes from Kyoto University, Japan in 2019. MSc in Water Resources Engineering from Pulchowk Campus, Tribhuvan University, Nepal in 2012. BE in Civil Engineering from Pulchowk Campus, Tribhuvan University, Nepal in 2010.

**Awards:** MEXT Scholarship, Japan Government (2016) by Japan Government. Best Engineer Award (2015) by Department of Water In.

**Expertise:** River Hydraulics. Flood Mitigation. Hydrological and Hydraulic Modeling.

**Professional Affiliation:** Nepal Engineering Association. Japan Society of Civil Engineers. American Geophysical Union.

**Correspondence:** **Mailing Address:** Biratnagar, Morang, Nepal. **Phone number/Cell:** 9841526855. **E-mail:** sarojioe@gmail.com



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**717. Saurab Sharma (M; 1983; Kathmandu, Nepal)**

**Category:** Health Science. Pain Management. Physiotherapy. Rehabilitation.

**Current Affiliation:** Assistant Professor, Kathmandu University School of Medical Sciences, Dhulikhel Hospital, Dhulikhel Hospital Road, Kavre, Nepal.

**Past Experiences:** Lecturer, Kathmandu University School of Medical Sciences. Teaching Assistant, Kathmandu University School of Medical Sciences.

**Education:** PhD in Pain management in Nepal from University of Otago, New Zealand in 2020. Master of Physiotherapy (Orthopedics) from Manipal University, India in 2013. Bachelor of Physiotherapy from Rajiv Gandhi University of Health Sciences, India in 2008.

**Awards:** Developing Countries Collaborative Research Grant (2015) by International Association for the Study of Pain.

**Expertise:** Pain Management. Low Back Pain. Physiotherapy.

**Professional Affiliation:** Nepal Physiotherapy Association. International Association for the Study of Pain. World Confederation for Physical Therapy.

**Correspondence:** **Mailing Address:** Department of Physiotherapy, Kathmandu University School of Medical Sciences, Dhulikhel, Kavre, Nepal. **Phone number/Cell:** 9841634043. **E-mail:** saurabsharma1@gmail.com



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**718. Saurav Ghimire (M; 1988; Dang, Nepal)**

**Category:** Molecular Genetics.

**Current Affiliation:** Post-Doctoral Researcher, University of Bordeaux, Neurocampus, 38 Rue Albert Marquet, 33000 Bordeaux.

**Past Experiences:** Early Stage Researcher, University of Glasgow. Research Assistant, Inje University.

**Education:** PhD in Molecular Genetics from University of Glasgow, United Kingdom in 2019. MSc in Pharmacy from Inje University, Republic of Korea in 2015. BSc in Pharmaceutical Sciences from Pokhara University, Nepal in 2011.

**Awards:** Marie Skłodowska-Curie Horizon 2020 Fellowship (2015-2019) by European Union. Korean Government Scholarship (2012-2015) by South Korean Government. Excellent Academic Achievement Award (2015) by Ministry of Education, South Korea.

**Expertise:** Molecular Genetics. Neuroscience. Nephrolithiasis (Kidney Stones).

**Professional Affiliation:** University of Bordeaux Campus Carreire, Neurocampus 38 Rue Albert Marquet, 33000 Bordeaux.

**Correspondence:** **Mailing Address:** Laboratory of Molecular Mechanisms of Synaptopathies Institut des Maladies Neurodégénératives (IMN)-CNRS UMR 5293 Université de Bordeaux Centre Broca Nouvelle Aquitaine-3ème étage 146 rue Léo Saignat-CS 61292 33076 Bordeaux cedex. **Phone number/Cell:** +33760515920. **E-mail:** saurav.ghimire@u-bordeaux.fr.



**719. Schindra Kumar Ray (M; 1980; Siraha, Nepal)**

- Category:** Chemistry. Material Engineering. Nanoparticle Synthesis for Environmental, Energy and Antibacterial Application, Phosphorus. Water Analysis (DOM, EOM, and COM).
- Current Affiliation:** Post-Doctoral Researcher, Sejong University, Seoul, South Korea, 209 Neungdong-ro, Gunja-Dong, Gwangjin-Gu, Seoul.
- Past Experiences:** Post-Doctoral Researcher (2018-2019), Sun Moon University, Chungcheongnam-Do, Asan-Si, Tangjeong-Myeon, South Korea. Chemistry Lecturer (2006-2015), Kantipur College of Medical Sciences, Sitapaila, Kathmandu, Nepal. Chemistry Lecturer (2008-2015), Orient College, Basundhara, Nepal.
- Education:** PhD in Environmental and Bio-Chemical Engineering from Sun Moon University, Korea in 2018. MSc in Inorganic Chemistry from Tribhuvan University, Nepal in 2005. BSc in Chemistry from Tribhuvan University, Nepal in 2003.
- Awards:** Best Oral Presentation Award (2017) by Material Research Society of Korea (MRSK). Outstanding Chemistry Teacher Award (2012 and 2013) by Orient College of A Level.
- Expertise:** Nanoparticle Synthesis for Energy (Supercapacitor) and Environmental (Photocatalysis) Application. Upconversion Phosphors. Water Analysis (DOM, EOM, and COM).
- Correspondence:** **Mailing Address:** Department of Environment and Energy, Water Lab, Sejong University, 209 Neungdong-ro, Gunja-Dong, Gwangjin-Gu, Seoul, South Korea. **Phone number/Cell:** +821063980832. **E-mail:** schindrakumarray@gmail.com



**720. Seshananda Sanjel (M; 1968; Lalitpur, Nepal)**

**Category:** Occupational Epidemiology.

**Current Affiliation:** Associate Professor, Karnali Academy of Health Sciences, Chandannath Municipality, Jumla, Nepal.

**Past Experiences:** Assistant Professor, Kathmandu University School of Medical Sciences, Dhulikhel, Kavre, Nepal.

**Education:** PhD in Investigating Links between Environmental Pollutions and Occupational and Environmental Health Hazards among Brick Industry Workers in Kathmandu Valley, Nepal from Kathmandu University, Nepal in 2017. Master of Public Health in Home-based Neonatal Care Practices in Lalitpur District from Maharajgunj Campus, IOM, Tribhuvan University, Nepal in 2006. Bachelor of Public Health in Nutritional Status of Under Five Years of Children in Dukuchhap VDC, Lalitpur from Maharangunj Campus, IOM, Tribhuvan University, Nepal in 2001.

**Awards:** PhD Fellowship Grant Award (2014) by University Grants Commission, Sanothimi Bhaktapur, Nepal. Collaboration Award (2017) by International Occupational Hygiene Association (IOHA).

**Expertise:** Occupational Epidemiology. Environmental Health. Public Health.

**Professional Affiliation:** Karnali Academy of Health Sciences, Head Office, Jumla, Karnali.

**Correspondence:** **Mailing Address:** Karnali Academy of Health Sciences, Head Office: Jumla, Karnali. Contact Office: Mahalaxmasthan Chowk, Ringroad, Lalitpur, Nepal. **Phone number/Cell:** 01-5-170622, 9851010296. **E-mail:** seshanandasanjel24@gmail.com



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**721. Shailendra Kumar Jha (M; 1976; Dhanusa, Nepal)**

**Category:** Electrical Engineering.

**Current Affiliation:** Assistant Professor, Kathmandu University, Dhulikhel, Kavre.

**Past Experiences:** Assistant Professor, Nepal Engineering College.

**Education:** PhD in Microgrid for Sustainable Rural Electrification from Kathmandu University, Nepal in 2018. MSc in Renewable Energy from Tribhuvan University, Nepal in 2006. BE in Electrical and Electronics Engineering from Kathmandu University, Nepal in 2000.

**Awards:** Vidhya Bhusan Padak 'Ka' (2019) by President of Nepal.

**Expertise:** Solar Photovoltaic Systems. Microgrids. Electrical System Design.

**Correspondence:** **Mailing Address:** Anand Nagar, Janakpur-4, Dhanusha, Nepal. **Phone number/Cell:** 9841273521. **E-mail:** shailendra@ku.edu.np



**722. Shailendra Kumar Mishra (M; 1959; Rautahat, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Professor, Institute of Engineering, Pulchowk Campus. Academician, NAST.

**Past Experiences:** Director, CARD, Institute of Engineering. Post-Doc from Malardalen University, Sweden. President (Social Committee), UNESCO, Ministry of Education.

**Education:** PhD in Mathematics-Sequence Spaces and Related Topics, from Indian Institute of Technology, Delhi, India in 1993. MSc in Mathematics from University of Bihar, India in 1981. BSc in Mathematics (Hons) from University of Bihar, India in 1979.

**Awards:** Mahendra Vidhya Bhusan 'Ka' (1994) by His Majesty's King Birendra Bir Bikram Shah Dev.

**Expertise:** Functional Analysis. Summativity Theory. DNA Sequencing.

**Professional Affiliation:** Pulchowk Campus, Institute of Engineering, Lalitpur, Nepal.

**Correspondence:** **Mailing Address:** Institute of Engineering, Pulchowk Campus, Lalitpur, Nepal. **Phone number/Cell:** 9851053673. **E-mail:** drskmishra57@gmail.com



**723. Shailendra Shakya (M; 1982; Lalitpur, Nepal)**

**Category:** Pharmacy.

**Current Affiliation:** Visiting Assistant Professor, Kathmandu University, Dhulikhel, Kavre, Nepal.

**Past Experiences:** Lecturer, Department of Pharmacy, Kathmandu University, Nepal. Production Pharmacist, Pharmac Industries Pvt Ltd, Sitapaila, Kathmandu.

**Education:** PhD in Nano Drug Delivery from University of Chinese Academy of Sciences, China in 2019. MSc in Pharmacokinetics from China Pharmaceutical University, China in 2011. Bachelors Degree in Pharmacy from Kathmandu University, Nepal in 2006.

**Expertise:** Drug Delivery System. Pharmacokinetics. Bioavailability and Bioequivalence Study.

**Professional Affiliation:** Nepal Pharmaceutical Association. Graduate Pharmacist's Association of Nepal.

**Correspondence:** **Mailing Address:** Guitole-8, Lalitpur, Nepal. **Phone number/Cell:** 9849835908. **E-mail:** shakyashailen@gmail.com



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**724. Shakuntala Tamang Thanju (F; 1957; Sunsari, Nepal)**

**Category:** Public Health and Hospital Nursing.

**Current Affiliation:** Principal, Tansen School of Health Science, Bhusal Danda-1, Tansen, Palpa.

**Past Experiences:** Reader, Lalitpur Nursing Campus, Sanepa, LP Nursing Superintendent United Mission Hospital, Okhaldhunga.

**Education:** PhD in Public Health-Integration of Theory and Practice of Nurses' Roles from National Institute of Public Health, Japan in 2009. MSc in Clinical Nursing-Role of the Nurses' in Primary Health Care from Saint Louis University, Baguio City, Philippines in 1998. BSc in The attitude of Family Members towards Mentally ill Patient from Maharajgunj Nursing Campus, IOM, TU, Nepal in 1991.

**Awards:** Nepal Vidhya Bhusan (2009) by Dr. Ram Baran Yadav President of Nepal. Best Principal (2003) by The Vice-Chairman of CTEVT.

**Expertise:** Training Institution Management. Infection Prevention and Control. Curriculum Development.

**Professional Affiliation:** Nepal Nursing Council-Kathmandu, Nepal. Nepal Nursing Association-Lajimpat, Nepal. Infection Prevention and Control-Pusan National University, South Korea.

**Correspondence:** **Mailing Address:** Tassen School of Health Science, PO Box 13, Tansen, Palpa. **Phone number/Cell:** 9847067486. **E-mail:** shakuntalathanju@gmail.com



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**725. Shalik Ram Sigdel (M; 1979; Syangja, Nepal)**

**Category:** Plant Ecology.

**Current Affiliation:** Research Fellow, Institute of Tibetan Plateau Research, Chinese Academy of Sciences, Beijing, China.

**Past Experiences:** Plant Ecologist, Forest Resource Assessment (FRA Nepal). Program Officer, Society for Ecological Restoration (SER) Nepal. Research Officer, Socio-Economics, Agro Forestry and Environment (SAFE) Concern.

**Education:** PhD in Ecology-Treeline Dynamics in The Central Himalayas from University of Chinese Academy of Sciences, China in 2017. MSc in Botany (Ecology) from Tribhuvan University, Nepal in 2004. BSc in Botany from Tribhuvan University, Nepal in 2001.

**Awards:** CAS-TWAS PhD Fellowship (2013) by CAS-TWAS. CAS President International Fellowship Initiative (2018) by CAS.

**Expertise:** Plant Ecology. Dendroecology. Ecosystem Functioning.

**Professional Affiliation:** Member, Asian Dendrochronological Association. Member, Society for Ecological Restoration (SER) International, USA.

**Correspondence:** **Mailing Address:** Harinas-3, Syangja, Nepal. **Phone number/Cell:** 9841242334. **E-mail:** sigdelshalik@gmail.com



**726. Shalu Adhikari (F; 1976; Kathmandu, Nepal)**

**Category:** Biodiversity Conservation and Management.

**Current Affiliation:** Freelance Consultant.

**Past Experiences:** Biodiversity Advisor, WWF Nepal. Senior Manager, WWF Nepal. Biodiversity Specialist, Wetland Project, then MoFSC .

**Education:** PhD in Carbon Sequestration and Dynamics in a Wetland Agro-Ecosystem of Lowland Nepal from Kathmandu University, Nepal in 2012. MSc in Natural Resources Management from Kathmandu University, Nepal in 2003. BSc in Environmental Science from Kathmandu University, Nepal in 1999.

**Awards:** PhD Scholarship (2007-2012) by NUFU Project-Norway.

**Expertise:** Biodiversity Conservation. Wetland Management. NRM Project Development.

**Professional Affiliation:** Bird Conservation Nepal. CODEFUND.

**Correspondence:** **Mailing Address:** Lainchour, Kathmandu, Nepal. **Phone number/Cell:** 9801002266. **E-mail:** shaluadhikari0@gmail.com

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**727. Shambhu Ghimire (M; 1975; Chitwan, Nepal)**

**Category:** Physics.

**Current Affiliation:** Lead Scientist, SLAC National Accelerator Laboratory and Stanford University, 2575 Sand Hill Rd, Menlo Park, California, USA.

**Past Experiences:** Staff Scientist, SLAC. Associate Staff Scientist, SLAC. Research Associate, SLAC.

**Education:** PhD in Ultrafast Science from Kansas State University, United States in 2007. MSc in Physics from Trivhuvan University, Nepal in 2001. BSc in Physics from Birendra Multiple Campus, Nepal in 1995.

**Awards:** Young Investigator Award (2014) by USA Department of Energy.

**Expertise:** Condensed Matter Physics. Nonlinear Optics. Atomic, Molecular and Optical Science.

**Professional Affiliation:** American Physical Society. Optical Society of America. Association of Physicists in America.

**Correspondence:** **Mailing Address:** 2575 Sand Hill Rd. **Phone number/Cell:** 6509262071. **E-mail:** shambhu.stanford@gmail.com.



**728. Shambhu Prasad Dhital (M; 1959; Gorkha, Nepal)**

**Category:** Agriculture.

**Current Affiliation:** Coordinator, National Potato Research Program of Nepal Research Council (NARC), Khumaltar, Lalitpur, Nepal.

**Past Experiences:** Chief and Senior Scientist, Biotechnology Division, NARC, Khumaltar, Lalitpur, Nepal. Senior Scientist, National Potato Research Program, NARC, Khumaltar, Lalitpur, Nepal. Plant Pathologist, National Potato Development Program, Department of Agriculture, Ministry of Agriculture, Khumaltar, Lalitpur, Nepal.

**Education:** PhD in Establishment of Efficient Virus Elimination and Seed Production System of Potato Under *in Vitro* and *in Vivo* Conditions from Kangwon National University, Republic of Korea in 2005. MSc in Biological Study and Soil Amendment for The Control of Bacterial Wilt of Potato from Kasetsart University, Thailand in 1998. BSc in Agriculture from Tribhuvan University, Institute of Agriculture and Animal Science, Nepal in 1983.

**Awards:** Mahendra Vidhya Bhusan (2006) by Gyanendra Shaha, Former King. 25 Years of Services Award (2014) by Mr. Hari Prasad Parajuli, Minister of Agriculture.

**Expertise:** Plant Tissue Culture and Potato Virus Elimination. Hydroponic/Aeroponic Cultivation of Potato. Breeder Seed or Pre-Basic Seed (PBS) Production of Potato.

**Professional Affiliation:** National Potato Research Program of Nepal Agricultural Research Council (NARC), Khumaltar, Lalitpur, Nepal. Biotechnology Division, NARC, Khumaltar, Lalitpur, Nepal. National Potato Development Program, Department of Agriculture, Khumaltar, Lalitpur, Nepal.

**Correspondence:** **Mailing Address:** Kuriya Gaun, Babarmahal-11, Kathmandu, Nepal. **Phone number/Cell:** +97714246329 (Resident)/9841402358 (Mobile). **E-mail:** shapradhi@hotmail.com



**729. Shambhu Prasad Patel (M; 1966; Parsa, Nepal)**

**Category:** Statistics.

**Current Affiliation:** Assistant Dean, Institute of Science and Technology, Dean's Office, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Professor of Statistics, Tribhuvan University, Thakur Ram Multiple Campus, Birgunj. Associate Professor of Statistics, Tribhuvan University, Thakur Ram Multiple Campus, Birgunj. Lecturer of Statistics, Tribhuvan University, Thakur Ram Multiple Campus, Birgunj.

**Education:** PhD in Statistics-Models for Estimating Infant Mortality Rates for Nepal from Tribhuvan University, IoST, Kirtipur, Kathmandu, Nepal in 2005 AD. MSc in Statistics from Central Department of Statistics, TU, Kirtipur, Nepal in 2048 BS. BSc in Major-Statistics from Tri-Chandra Multiple Campus, Tribhuvan University, Kathmandu, Nepal in 2045 BS.

**Awards:** Education Award (2014) by The Former President of Nepal. NAST Award (2015) by the Chancellor of NAST and Prime Minister of Nepal. Pushpa Lal National Award (2016) by The President of Nepal.

**Expertise:** Development Statistics. Demography. Biostatistics.

**Professional Affiliation:** Life Member and Present Vice-President, SMART VISION (Statistical and Mathematical Association for Research and Teaching), Thakur Ram Multiple Campus, Birgunj. Founder Member and Former Executive Member, Nepal Statistical Society, Kathmandu. Former Secretary, Faculty Board, IoST, Dean's Office, TU, Kirtipur, Kathmandu .

**Correspondence:** **Mailing Address:** Dean's Office, IoST, TU, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 9845039022/051534177. **E-mail:** greenrevolution1980@gmail.com



**730. Shambhu Shah (M; 1976; Dhanusa, Nepal)**

**Category:** Veterinary Science. Theriogenology. Animal Reproduction.

**Current Affiliation:** Assistant Professor and Chairman, Department of Veterinary Science, Institute of Agriculture and Animal Science, Paklihawa Campus, Tribhuvan University, Bhairahawa, Rupandehi.

**Past Experiences:** Graduate Teaching Assistants (2007-2011), Department of Theriogenology, Faculty of Veterinary Medicine, Tottori University, Japan. Assistant Professor (2005-2006), Himalayan College of Agricultural Sciences and Technology (HICAST), Purbanchal University. Assistant Professor and Program Coordinator, Nepal Polytechnic Institute, Purbanchal University, Chitwan.

**Education:** PhD in Veterinary Science (Theriogenology), Animal Reproduction from United Graduate School of Veterinary Science, Yamaguchi University, Japan in 2011. MSc in Theriogenology from United Graduate School of Veterinary Science, Yamaguchi University, Japan in 2008. Bachelor of Veterinary Science and Animal Husbandry in Veterinary Science from Institute of Agriculture and Animal Science, Tribhuvan University, Nepal in 2003.

**Awards:** Awarded with Nepal Vidhya Bhusan Padak 'Ka' (2068 BS) by Government of Nepal. Academic Excellence Top Graduate Student of United Graduate School of Veterinary Science (2011) by Yamaguchi University, Japan. Japanese Government Scholarship (Monbukagakushou: Mext) (2006) by Government of Japan.

**Expertise:** Animal Reproduction. Assisted Reproductive Technology. Semen Preservation. *In vitro* Maturation. *In vitro* Fertilization. *In vitro* Culture. Management of Infertility in Animals. Artificial Insemination and Embryo Transfer Techniques.

**Professional Affiliation:** National Member, Nepal Veterinary Council. Member, Nepal Veterinary Association. Member, Japanese Society of Veterinary Medical Science. President, Tribhuvan University Teachers' Association, Paklihawa Campus. Member, Nepal PhD Association.

**Correspondence:** **Mailing Address:** Paklihawa Campus, Institute of Agriculture and Animal Science, Paklihawa, Siddharthanagar-1, Bhairahawa, Rupandehi, Nepal. **Phone number/Cell:** 9841310679/071506150. **E-mail:** shambhu@iaas.edu.np, shambhushah@gmail.com



**731. Shandesh Bhattarai (M; 1977; Nawalparasi, Nepal)**

**Category:** Botany.

**Current Affiliation:** Senior Scientific Officer, Nepal Academy of Science and Technology, Satdobato, Khumaltar, Lalitpur.

**Past Experiences:** Research Fellow, Nepal Academy of Science and Technology. Assistant Research Fellow, Nepal Academy of Science and Technology. Lecturer, Central Department of Environmental Science, TU, Kirtipur, Kathmandu.

**Education:** PhD in Botany-Ethnobotany and Antibacterial Activity of Selected Medicinal Plants of Nepal Himalaya from Tribhuvan University, Nepal in 2010. MSc in Botany-Ethnobotanical Study of Manang District (Central Nepal) and Antibacterial Activity of Some Selected Medicinal Plants from Tribhuvan University, Nepal in 2002. BSc in Botany from Tribhuvan University, Nepal in 2000.

**Awards:** Developing Nations Member Travel Award (2019) by Society for Economic Botany, USA. Nepal Vidhya Bhusan Medal 'Ka' (2011) by Government of Nepal. Science and Technology Youth Award (2010) by Nepal Academy of Science and Technology.

**Expertise:** Ethnobotany. Ethnopharmacology. Plant Taxonomy. Invasive Alien Plant Species (Conservation and Management).

**Professional Affiliation:** Nepal Botanical Society, Kirtipur, Kathmandu, Nepal. International Society for Conservation of Biological Resources, India. Society for Economic Botany, USA. Society for Ethnobotanists, India.

**Correspondence:** **Mailing Address:** Nepal Academy of Science and Technology, Khumaltar, Lalitpur. **Phone number/Cell:** 9851108803. **E-mail:** shandeshbhattarai@gmail.com



**732. Shankar Prasad Khanal (M; 1968; Okhaldhunga, Nepal)**

**Category:** Biostatistics.

**Current Affiliation:** Professor and Head of Department, Central Department of Statistics, Institute of Science and Technology, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Associate Professor, Central Department of Statistics, Tribhuvan University. Lecturer, Central Department of Statistics, Tribhuvan University.

**Education:** PhD in Biostatistics-Comparison of Cox Proportional Hazards, Parametric Proportional Hazards and Accelerated Failure Time Models in the Survival of Acute Liver Failure from All India Institute of Medical Sciences (AIIMS), New Delhi, India in 2010. MSc in Statistics from Tribhuvan University, Institute of Science and Technology, Central Department of Statistics, Nepal in 1995. BSc in Statistics, Mathematics and Physics from Tribhuvan University, Tri-Chandra Multiple Campus, Kathmandu, Nepal in 1992.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2012) by Honorable President of Nepal, Ministry of Education, Government of Nepal. National Education Award (2002) by Ministry of Education, Government of Nepal.

**Expertise:** Survival Analysis. Statistical Computing. Biostatistics.

**Professional Affiliation:** Member, Institute Review Board (IRB), Tilganga Institute of Ophthalmology (TIO), Gausala, Kathmandu, Nepal. Member, Institute Research Committee (IRC), Institute of Science and Technology, Tribhuvan University. Life Member, Indian Society of Medical Statistics (ISMS).

**Correspondence:** **Mailing Address:** PO Box 11106, Kathmandu, Nepal. **Phone number/Cell:** +977014439722/9849413167. **E-mail:** drshankarcds@gmail.com



**733. Shanker Dhakal (M; 1981; Bhaktapur, Nepal)**

**Category:** Engineering and Disaster Management

**Current Affiliation:** Senior Technical Officer, Nepal Academy of Science and Technology (NAST), Khumaltar, Lalitpur.

**Past Experiences:** Founder/Education and Engineering Entrepreneur-Coordinator of National Reconstruction Movement (NRM), ETC Institute Australia, Australia. ETC International/GHEaSES International Pvt Ltd, Nepal. RHD Researcher and Tutor, The University of Melbourne, Australia. Research Assistant, Ehime University, Japan.



**Education:** PhD in Interdisciplinary Structural Engineering and Disaster Management-Modelling the Rockfall Protective Structural System from Ehime University, Japan in 2012. MSc in Structural Engineering-Seismic Analysis of Rockfill Dam from Tribhuvan University, IOE Pulchowk Campus, Nepal in 2008. BE in Civil Engineering from Tribhuvan University, IOE, Pulchowk Campus, Nepal in 2005.

**Awards:** Nepal Vidhya Bhusan Padak 'Kha' (Gold Medal) (2009) by President and Science and Technology Ministry, The Government of Nepal. Certificate of Excellence and Best Presentation Award (2011) by Japan Society of Civil Engineers (JSCE), Japan. Melbourne International Research Scholarships (2012) by The University of Melbourne, Australia.

**Expertise:** Interdisciplinary Structural Engineering Analysis. Earthquake Engineering and Multi-hazard Disaster Management. R&D Project Team Leadership. Mentoring, Lecturing and S&T Entrepreneurship .

**Professional Affiliation:** Life Member, Nepal Engineers' Association (NEA). Civil General, Nepal Engineering Council (NEC). General, European Geosciences Union (EGU).

**Correspondence:** **Mailing Address:** Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** 9844116753. E-mail: shanker.dhakal@nast.gov.np.

**734. Shanta Pokhrel (F; 1977; Kathmandu, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Assistant Professor, Tri-Chandra Multiple Campus, Tribhuvan University, Ghantaghar, Kathmandu, Nepal.

**Education:** PhD in Chitosan Based Polymer Blends-Preparation, Mechanical Properties and Biodegradability from Tribhuvan University, Nepal in 2017. MSc in Chemistry from Tribhuvan University, Nepal in 1998. BSc in Chemistry, Zoology, Botany from Lucknow University, India in 1996.

**Awards:** PhD Fellowship Grant (2012) by Nepal Academy of Science and Technology (NAST). INSA Fellowship (2013) by Indian National Science Academy (INSA).

**Expertise:** Material Science. Natural Product. Nanomaterial.

**Professional Affiliation:** Nepal Polymer Institute, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Department of Chemistry, Tri-Chandra Multiple Campus, Tribhuvan University, Kathmandu, Nepal. **Phone number/Cell:** 9841409842. **E-mail:** shantabhattacharai2014@gmail.com.



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**735. Sharada Thapaliya (F; 1963; Chitwan, Nepal)**

**Category:** Veterinary Medicine. Pharmacology.

**Current Affiliation:** Vice-Chancellor, Agriculture and Forestry University, Rampur, Chitwan, Nepal.

**Past Experiences:** Dean, Faculty of Animal Science, Veterinary Science and Fisheries. Planning Director, Agriculture and Forestry University. Assistant Campus Chief, Institute of Agriculture and Animal Science.

**Education:** PhD in Neuro-Vascular System-Perivascular Neuromodulation from Gifu University, Japan in 2001. BVSc&AH from Orissa University of Agriculture and Technology, India in 1990.

**Awards:** JN Prusty Memorial Gold Medal (1990) by Orissa University of Agriculture and Technology. Mahendra Vidhya Bhusan (2004) by Ministry of Education.

**Expertise:** Electrophysiology Technique. Veterinary Pharmacology.

**Professional Affiliation:** Agriculture and Forestry University (AFU).

**Correspondence:** **Mailing Address:** AFU, Rampur, Chitwan, Nepal. **Phone number/Cell:** 9855056925. **E-mail:** sharuchanafu@gmail.com



**736. Sharada Prasad Wasti (M; 1973; Kathmandu, Nepal)**

**Category:** Public Health.

**Current Affiliation:** Senior Research Fellow, University of Sussex, UK-Migrant Health Research Project, Nepal Based Work, GPO Box 7266, Kathmandu, Nepal.

**Past Experiences:** Deputy Team Leader, Liverpool School of Tropical Medicine (LSTM), UK-MEOR Project, Nepal Based Staff. Research, Monitoring and Evaluation (MandE) Advisor, Institute for Reproductive Health (IRH), Georgetown University, Washington, DC-FACT Project, Nepal Based Staff. Monitoring and Evaluation Advisor, FHI360 Kathmandu, Nepal- The World Bank Funded - Third Party TI HIV Monitoring Project, Nepal.

**Education:** PhD in Public Health-Adherence to Antiretroviral Treatment in Nepal, Mixed-Methods Study from University of Sheffield, School of Health and Related Research (SchARR), United Kingdom in 2012. MSc in International Health from University of Aberdeen, Institute of Applied Health Sciences, School of Medicine, United Kingdom in 2007.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2013) by President of Nepal. PhD Scholarship (2009-2012) by University of Sheffield, UK.

**Expertise:** Designing and Implementing Mixed-Methods (Quantitative and Qualitative) Research. Lot Quality Assurance Sampling (LQAS) Survey, Systematic Review and Meta-Analysis of Various Health and Cross-Cutting Issues. MandE-Technical Expertise on Preparing Project Logframe, MandE framework, Result Framework, Indicators, MandE Guideline and Conducting Data Quality Assurance (DQA) and Preparing Robust MandE Plan. Data Management and Publication, Expertise on Data Management and Analysis of Quantitative Data-SPSS and Qualitative Data-Atlas Ti, and Reference Manager-EndNote and Writing Proposals (Research, Grant), Peer Review Publication, Conference Abstract and Project Reports.

**Correspondence:** **Mailing Address:** GPO Box 7266, Kathmandu, Nepal. **Phone number/Cell:** 9851155265. **E-mail:** spwasti@gmail.com



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**737. Sharmila Pradhan Amatya (F; 1966; Kathmandu, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Associate Professor, Amrit Campus, Thamel, Lainchour.

**Past Experiences:** Lecturer, Amrit Campus.

**Education:** PhD in Correlation Between Morphology, Deformation Behavior and Filler Dimensionality of Polyolefin Elastomer Based Nanocomposite from Tribhuvan University, Nepal in 2016. MSc in Chemistry from Central Department of Chemistry, Tribhuvan University, Nepal in 1991. BSc in Chemistry, Botany, Microbiology from Tri-Chandra Multiple Campus, Tribhuvan University, Nepal in 1988.

**Awards:** Best Paper Presentation (2014) by Vivek Vardhini College of Arts, Commerce, Science and Post Graduate Studies.

**Correspondence:** **Mailing Address:** Maitrimarg, Bakhundole, Lalitpur-1, Nepal. **Phone number/Cell:** 9841852679. **E-mail:** amatyasharmila@yahoo.com



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**738. Sharmila Shrestha (F; 1970; Lalitpur, Nepal)**

**Category:** Nursing.

**Current Affiliation:** Associate Professor, Karnali Academy of Health Science, Kusunti, Lalitpur.

**Past Experiences:** Associate Professor: National Academy of Medical Science, Bir Hospital Nursing Campus. Assistant Professor, Asian College for Advance Studies, Lalitpur, Nepal. Head of Department of Nursing Department, Khwopa Poly-Technique Institute, Bhaktapur Nepal.

**Education:** PhD in Development and Evaluation of a Newborn Care Education Program in Primiparous Mothers in Nepal from Tokyo Metropolitan University, Tokyo, Japan in 2015. MSc (Nursing Science) in Newborn Care in Nepal-The Effects of an Educational Intervention on Nurses Knowledge and Practice from HOPE School of Nursing, Wuhan University, Wuhan, Hubei Province, China in 2012. BSc in Staff Nurses-Knowledge on Cancer Pain Management in Selected Hospital of Kathmandu, Nepal from Om Institute for Health Manpower Development, Kathmandu, Nepal in 2004.

**Awards:** Nepal Vidhya Bhusan Class 'Ka' (2016) by Government of Nepal. Asian Human Resources Fund (2012) by Chinese Government Scholarship (2009) by Chinese Government.

**Expertise:** Midwifery Nursing. Nursing Research. Child Health Nursing.

**Correspondence:** **Mailing Address:** Sundar Basti, Kusunti, Lalitpur-13, Nepal. **Phone number/Cell:** 9841300249. **E-mail:** sharmilanil@gmail.com



**739. Sharmila Suwal (F; 1987; Bhaktapur, Nepal)**

**Category:** Microbiology.

**Past Experiences:** Research Volunteer, Tilganga Institute of Ophthalmology. Assistant Biology Lecturer, Seabird International Higher Secondary School. Science Teacher, Wiseland Secondary School.

**Education:** PhD in The Probiotic Effectiveness in Preventing Experimental Colitis Correlates With Host Gut Microbiota and Genetic Factors from Xuzhou Medical University, China In 2019. MSc in Microbial Etiology in Central Corneal Ulcer Among Patients Visiting Tilganga Institute of Ophthalmology from Tri-Chandra Multiple Campus, Nepal in 2015. BSc in Microbiology from Tri-Chandra Multiple Campus, Nepal in 2009.

**Awards:** Principal Foundation Scholarship (2015) by Xuzhou Medical University.

**Expertise:** Laboratory Analysis and Monitoring of Microbial Cultures and Various Samples and Performing Antibiotics Susceptibility Testing. Record, Analyse and Interpret The Data Using Computer Software. Writing Research Papers, Reports and Reviews.

**Professional Affiliation:** Xuzhou Medical University, Xuzhou, Jiangsu Province, PR China. Tilganga Institute of Ophthalmology, Gausala, Kathmandu, Nepal. Seabird International Higher Secondary School, Madhyapur Thimi, Bhaktapur, Nepal.

**Correspondence:** **Mailing Address:** Kamalvinayak-10, Bhaktapur, Nepal. **Phone number/Cell:** 9841791176. **E-mail:** samrina60@yahoo.com



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**740. Shashidhar Ram Joshi (M; 1961; Kathmandu, Nepal)**

**Category:** Electronics and Computer Engineering.

**Current Affiliation:** Professor, Pulchowk Campus, IOE, Pulchowk Campus.

**Past Experiences:** Professor, Pulchowk Campus, IOE. Visiting Professor, South Asian University, India. Member, NICT Council, Government of Nepal.

**Education:** PhD in Electronics and Computer Engineering - Improvement of the Algorithm in the Particle Tracking Velocimetry from Tribhuvan University, Institute of Engineering, Nepal in 2007. ME in Design and Analysis of Gallium Arsenide Current Mirror from University of Calgary, Canada in 1992. BE in Microprocessor based Logic Controller from South Gujarat University, REC Surat, India in 1984.

**Awards:** Captain Noshir Hormasji Wadia Medal (1984) by South Gujarat University, India. Mahendra Vidhya Bhusan 'Ga' (1984) by Government of Nepal. Nepal Vidhya Bhusan 'Ka' (2007) by Government of Nepal.

**Expertise:** Particle Tracking Velocimetry. Artificial Intelligence. Machine Learning. Image Processing.

**Professional Affiliation:** University Teachers' Association, Tribhuvan University.

**Correspondence:** **Mailing Address:** Department of Electronics and Computer Engineering, Pulchowk Campus, Patan, Nepal. **Phone number/Cell:** 9849202577. **E-mail:** srjoshi@ioe.edu.np



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**741. Shashit Kumar Yadav (M; 1983; Saptari, Nepal)**

**Category:** Physics.

**Current Affiliation:** Lecturer, Department of Physics, Mahendra Morang Adarsh Multiple Campus, Biratnagar, Morang, Nepal.

**Past Experiences:** Teaching Assistant (Part Time), Department of Physics, Mahendra Morang Adarsh Multiple Campus, TU, Biratnagar. Assistant Lecturer, Purbanchal School of Science and Technology, Purbanchal University, Biratnagar.

**Education:** PhD in Ordering and Segregation in Liquid Alloys from Central Department of Physics, Tribhuvan University, Nepal in 2018. MSc in Physics from Patan Multiple Campus, Tribhuvan University, Lalitpur, Nepal in 2011. BSc in Physics from Patan Multiple Campus, Tribhuvan University, Lalitpur, Nepal in 2008.

**Awards:** Emerging Scientist Award (2014) by ETCMP, TM Bhagalpur University, Bhagalpur, India.

**Expertise:** Condensed Matter Physics. Modelling of Thermo-Physical Functions of Liquid Alloys.

**Professional Affiliation:** Mahendra Morang Adarsh Multiple Campus, TU, Biratnagar, Nepal.

**Correspondence:** **Mailing Address:** Department of Physics, Mahendra Morang Adarsh Multiple Campus, Biratnagar, Morang, Nepal. **Phone number/Cell:** 9849124023. **E-mail:** yadavshashit@yahoo.com



**742. Sheetal Vaidya Pradhan (F; 1959; Lalitpur, Nepal)**

**Category:** Botany.  
**Current Affiliation:** Associate Professor, Patan Multiple Campus, Tribhuvan University.  
**Past Experiences:** Assistant Professor, Patan Multiple Campus, Tribhuvan University.  
**Education:** PhD in Revision of *Anaphalis* DC. (Asteraceae) in Nepal Himalaya from Tribhuvan University, Nepal in 2015. MSc in Seed Mycoflora of *Phaseolus mungo* (Fabaceae) from Tribhuvan University, Nepal in 1983. BSc in Botany from Tri-Chandra Multiple Campus, Tribhuvan University, Nepal in 1981.  
**Correspondence:** **Mailing Address:** GPO 8475, EPC 2455, Jawalakhel, Lalitpur-44700, Nepal. **Phone number/Cell:** 9841593724. **E-mail:** sheetal.vaidya@gmail.com



**743. Shila Maskey (Vaidya) (F; 1965; Lalitpur, Nepal)**

**Category:** Atmospheric Environment.  
**Current Affiliation:** Associate Professor, Patan Multiple Campus, TU, Patandhoka, Lalitpur.  
**Past Experiences:** Post-Doctoral Fellow, School of Environmental Engineering, Gwangu Institute of Science and Technology, Korea. Post-Doctoral Fellow, Inha University, Korea. Assistant Professor, Purwanchal Engineering Campus, IOE, TU.  
**Education:** PhD in Single Particle Characterization of Aerosol Particles Using A Quantitative Energy-Dispersive Electron Probe X-Ray Microanalysis Analysis from Inha University, Republic of Korea in 2011. MSc in Chemistry from Tribhuvan University, Kirtipur, Nepal in 1992. BSc from Tri-Chandra Multiple Campus, TU, Nepal in 1988.  
**Awards:** Best Paper (2013) by 55<sup>th</sup> Korean Society for Atmospheric Environment, Fall Conference. Best Oral Presentation (2012) by 54<sup>th</sup> Korean Society for Atmospheric Environment. Outstanding Poster Presentation (2011) by 7<sup>th</sup> Asian Aerosol Conference.  
**Expertise:** Single Particle Analysis of Atmospheric Particles Using SEM-EDX, TEM-EDX, ATR-FTIR, Real Time Monitoring of PM<sub>2.5</sub> Particles, Characterization of Atmospheric Aerosols (Nanoparticles And Ultrafine Particles) Emitted from Various Sources (Urban, Indoor, Coastal, Industrial, Desert, Polar and Biomass Burning) in Terms Of Size Distribution, Emission Factor, Hygroscopicity and Volatility, Mixing State, CCN Activity and Morphology.  
**Professional Affiliation:** Korea Society of Atmospheric Environment (KOSAE), Seoul, Korea. Korea Society for Environment Analysis (KSFEA), Seoul, Korea. American Association of Aerosol Research (AAAR), VA, USA.  
**Correspondence:** **Mailing Address:** Erawot Tole, Dhapakhel-23, Lalitpur, Nepal. **Phone number/Cell:** 9843454429. **E-mail:** sheilamaskey@gmail.com



**744. Shiva Chandra Dhakal (M; 1979; Gorkha, Nepal)**

**Category:** Agriculture Economics. Agribusiness Management.

**Current Affiliation:** Associate Professor, Agriculture and Forestry University, Rampur, Chitwan.

**Past Experiences:** Assistant Professor, Institute of Agriculture and Animal Science, Rampur.

**Education:** PhD in Agriculture Economics-Economics of pollination Services in Chitwan, Nepal from Tribhuvan University, Nepal in 2017. MSc in Agriculture Economics-Impact of Farm Mechanization in Nepal from GB Pant University of Agriculture and Technology, India in 2006. BSc in Agriculture-Agriculture Economics from Tribhuvan University, Nepal in 2004.

**Awards:** Intelligent Student Award (2004) by IAAS. Nepal Aid Fund (2004) by Embassy of India.

**Expertise:** Agriculture Economics. Agribusiness Management. Statistics.

**Professional Affiliation:** Director, Directorate of Research and Extension, AFU. Subject Matter Committee Chair, Agribusiness Management. Subject Matter Committee Member, Agriculture Economics.

**Correspondence:** **Mailing Address:** Rampur, Chitwan, Nepal. **Phone number/Cell:** 9845048704. **E-mail:** scdhakal@afu.edu.np



**745. Shiva Devkota (M; 1978; Kaski, Nepal)**

**Category:** Botany. Mycology. Wild Mushrooms. Lichens.

**Current Affiliation:** Researcher, Global Institute of Interdisciplinary Studies, Kathmandu.

**Past Experiences:** Conservation Biologist, Swiss Federal Research Institute WSL, Switzerland. Lecturer, Central Department of Botany, Tribhuvan University, Kathmandu. Program Coordinator, SAFE Concern, Kathmandu.

**Education:** PhD in Ecology and Evolution from Bern University, Switzerland in 2017. MSc in Botany (Mycology) from Central Department of Botany, TU, Nepal in 2003. BSc in Biology from Tribhuvan University, Nepal in 2000.

**Awards:** Nepal Vidhya Bhusan 'Ka' Gold Medal (2018) by Government of Nepal. PhD Fellowship (2011) by Swiss Federal Research Institute. Research Grants (2003-2019) by WWF, ICIMOD, UGC, WSL, Rufford, Bryolich.

**Expertise:** Fungal Biology. Molecular Ecology. Ethnomycology.

**Professional Affiliation:** Global Institute for Interdisciplinary Studies. Swiss Federal Research Institute WSL, Switzerland. IPBES-Sustainable use of Wild Species.

**Correspondence:** **Mailing Address:** GPO Box 444, Kaski, Gandaki, Nepal. **Phone number/Cell:** 9841317188. **E-mail:** shiva.devkota@gmail.com



**746. Shiva Kumar Jha (M; 1977; Dhanusa, Nepal)**

**Category:** Agricultural Engineering.

**Current Affiliation:** Scientist (Agricultural Engineer), Engineering Division, Agricultural Nepal Agricultural Research Council, Khumaltar, Lalitpur, Nepal.

**Past Experiences:** Energy Development Officer, AEPC, Rural Energy Development Program. Lecturer, TU, IAAS, Paklihawa Campus, Paklihawa.

**Education:** PhD in Agricultural Water-Soil Engineering-Effects of Irrigation Method and Scheduling on Development and Water Utilization in Winter Wheat from Chinese Academy of Agricultural Science, China in 2016. MSc in Irrigation and Water Management-Response of Transplanted Boro Rice (BRRI dhan29) Under Different Irrigation Practices from Bangladesh Agricultural University, Bangladesh in 2006. BE in Agricultural Engineering-Evaluation of Effects of Depth of Submergence on Growth, Yield and Water Productivity in Rice from Purwanchal Campus, IOE, TU, Dharan, Nepal in 2004.

**Awards:** Chinese Scholarship Council (2013) by GSCASS, China Government. Netherland Fellowship Programme (2011) by UNESCO-IHE, The Netherland.

**Expertise:** Develop a Module for Soil-Water-Plant Interaction for Field Crops. Design of Drip Irrigation. Sprinkler Irrigation and Other Water Saving Irrigation System. Design and Development of High-Tech Greenhouse, Screenhouse, Polyhouse, Hydroponic, Aeroponic and Other Farm Structures.

**Professional Affiliation:** Nepal Agricultural Research Council (NARC). Paklihawa Campus, IAAS, TU, Paklihawa.

**Correspondence:** **Mailing Address:** Khajuri-6, Dhanusha, Janakpur, Nepal. **Phone number/Cell:** 9844711021. **E-mail:** jhashiva25@yahoo.com



**747. Shiva Kumar Rai (M; 1968; Sunsari, Nepal)**

**Category:** Botany.

**Current Affiliation:** Professor, Tribhuvan University, Department of Botany, Post Graduate Campus, Biratnagar.

**Past Experiences:** Assistant Campus Chief, Post Graduate Campus, TU, Biratnagar, Nepal.

**Education:** PhD in Botany-Studies on Freshwater Algal Diversity of Eastern Nepal from University of Lucknow, Lucknow, India in 2007. MSc in Botany-Effect of ABT-4 on Growth and Development of Jute Plant *Corchorus olitorius* L. var. JRO-632 from Tribhuvan University, Post Graduate Campus, Biratnagar, Nepal in 1993. BSc in Biology from Tribhuvan University, Mahendra Morang Adarsha Multiple Campus, Biratnagar, Nepal in 1991.

**Awards:** Young Science and Technology Award- 2064/2065 (2008-12-05) by Nepal Academy of Science and Technology (NAST), Khumaltar, Lalitpur, Nepal. Nepal Vidhya Bhusan 'Ka' (2012-09-08) by Ministry of Education, Kathmandu, Nepal.

**Expertise:** Taxonomy and Identification of Algae.

**Professional Affiliation:** Central Campus of Food and Technology, Tribhuvan University, Hattisar, Dharan, Nepal. Post Graduate Campus, Tribhuvan University, Biratnagar, Nepal.

**Correspondence:** **Mailing Address:** Department of Botany, Post Graduate Campus, TU, Biratnagar, Nepal. **Phone number/Cell:** 9842024244. **E-mail:** sk.khaling@gmail.com



**748. Shobha Poudel (F; 1984; Chitwan, Nepal)**

- Category:** Environmental Management. Climate Change and Food Security.
- Current Affiliation:** Senior Research Fellow, Science Hub Nepal, Kathmandu-16, Balaju, Nepal.
- Past Experiences:** Assistant Professor, Universal Engineering and Science College, Pokhara University, Nepal. Project Assistant Manager, Climate Change Adaptation and Mapping Group, Nepal. Assistant Operation In-Charge, Kumari Bank Limited.
- Education:** PhD in Global Environmental Studies from Kyoto University, Japan in 2017. MSc in Management from Tribhuvan University, Nepal in 2007. BSc in Management from Tribhuvan University, Nepal in 2005.
- Awards:** Early Career Women Scientist Fellowship (2019) by Organisation for Women in Science for the Developing World, TWAS, UNESCO. GSS Research Fellowship (2016) by Kyoto University, Japan. Japanese Government (MEXT) Scholarship (2014) by Ministry of Education, Culture, Sports, Science, and Technology (MEXT), Government of Japan.
- Expertise:** Climate Change and Food Security. Disaster Risk Management. Environmental Economics.
- Professional Affiliation:** Member, Organisation for Women in Science for the Developing World (OWSD), Trieste, Italy. Member, Centre for Disaster Management Studies, Nepal. Treasurer, Organisation of Women Scientist in Nepal (OWSN), Nepal.
- Correspondence:** **Mailing Address:** Toudol-200, Boharatar, Kathmandu-16 Balaju, Nepal. **Phone number/Cell:** 9864511197. **E-mail:** p.shabhu@gmail.com



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**749. Shovita Shrestha Dhakal (F; 1974; Kathmandu, Nepal)**

- Category:** Medical Microbiology.
- Current Affiliation:** Microbiologist, TU Teaching Hospital, Maharajgunj, Kathmandu.
- Past Experiences:** Medical Laboratory Technologist, TU Teaching Hospital.
- Education:** PhD in Medical Microbiology from TU Institute of Medicine, Maharajgunj Medical Campus, Nepal in 2017. MSc in Medical Laboratory Technology (Medical Microbiology) from TU, Institute of Medicine, Maharajgunj Medical Campus, Nepal in 2011. BSc in Medical Laboratory Technology from TU, Institute of Medicine, Maharajgunj Medical Campus, Nepal in 2005.
- Awards:** Nepal Vidhya Bhusan 'Ka' (2019) by President of Nepal. Nepal Vidhya Bhusan 'Kha' (2013) by President of Nepal.
- Expertise:** Molecular Microbiology. Diagnostic Microbiology.
- Professional Affiliation:** Department of Clinical Microbiology, TU Teaching Hospital, Maharajgunj, Kathmandu, Nepal.
- Correspondence:** **Mailing Address:** Chandol-4, Kathmandu, Nepal. **Phone number/Cell:** 9851098729. **E-mail:** shovitashrestha@gmail.com



**750. Shravan Kumar Mishra (M; 1975; Mahottari, Nepal)**

**Category:** Virology. Biochemistry. Public Health.

**Current Affiliation:** Department Head, National Public Health Laboratory, Teku, Kathmandu, Nepal.

**Past Experiences:** Chair, Nepal Health Professional Council, Bansbari, Kathmandu, Nepal. Head, Department of Pathology, NSRH, Birgunj, Nepal. Head, Pathology Department, Kanti Children's Hospital, Nepal.

**Education:** PhD in Study in IRIS In HIV Infection from Central Department of Biotechnology, Tribhuvan University, Nepal in 2019. MSc in Virology from SBP Pune University, India in 2012. BMLT in Medical Laboratory Technology from Tribhuvan University, Nepal in 2001.

**Awards:** PhD Award (2013) by NAST, Nepal.

**Expertise:** Biotechnology. Virology and Biochemistry. Public Health.

**Professional Affiliation:** Nepal Health Professional Council (NHPC). Nepal Association of Medical Laboratory Sciences (NAMLS). Nepal Public Health Association (NePHA).

**Correspondence:** **Mailing Address:** NPHL, DoHS, Teku, Kathmandu, Nepal. **Phone number/Cell:** 9851168220. **E-mail:** shravan.nepal@gmail.com



**751. Shree Bhagavan Thakur (M; 1972; Rautahat, Nepal)**

**Category:** Agricultural Science.

**Current Affiliation:** Food and Agriculture Organization of UN, Pulchowk Kathmandu.

**Past Experiences:** Livelihood and Gender Expert, FAO, Climate Change Adaptation Project. Thematic Lead of Agriculture, Food Security and Nutrition, Ministry of Population and Environment, UK Aid. Regional Livelihood and Local Economic Development Expert and Agri Specialist, UNDP.

**Education:** PhD in Plant Breeding-Variability of Drought Tolerance, Leaf Spot Disease and Yield Component Traits in Groundnut (*Arachis hypogaea* L.) from TU, IAAS, Rampur, Nepal in 2014. MSc in Plant breeding-Variability of Self-Compatibility and Component Traits in Sunflower (*Helianthus annuus* L.) from Rajendra Agricultural University, Pusa, India in 2000. BSc in Agriculture-Study on Yield Traits of Fodder Maize (*Zea mays* L.) from University of Agricultural Sciences, GKVK, Bangalore, India in 1998.

**Awards:** Nepal Aid Fund for BSc Agriculture (1994-98) by Nepal Aid Fund, Embassy of India. Senior Research Fellowship for MSc Agriculture (1998-2000) by ICAR, State Government. Nepal Vidhya Bhusan (2015) by Ministry of Education and President Office, Nepal.

**Expertise:** Climate Change Adaptation in Agriculture. Food Security. Nutrition And Agro-Ecosystem. Livelihood and Income Generation for Poverty Reduction. Good Governance. Gender and Social Inclusion. Teaching Of Genetics and Plant Breeding.

**Professional Affiliation:** Dean Office, IAAS, Kritipur, Kathmandu, Tribhuvan University. Himalayan College of Agricultural Science and Technology (HICAST), Kritipur, KTM. Human Service Center, Rautahat, Gaur.

**Correspondence:** **Mailing Address:** Sirsiya, Gaur-9, Rautahat, Nepal. **Phone number/Cell:** 9851193645. **E-mail:** shreebhagavanthakur@gmail.com



**752. Shree Raj Shakya (M; 1975; Kathmandu, Nepal)**

**Category:** Energy Engineering and Management.

**Current Affiliation:** Director, Centre for Energy Studies, Institute of Engineering, Tribhuvan University, Pulchowk, Lalitpur, Bagmati Province, Nepal.

**Past Experiences:** MSc Program Coordinator, Pulchowk Campus, Institute of Engineering, Tribhuvan University. Associate Professor, Pulchowk Campus, Institute of Engineering, Tribhuvan University. Production Manager, Plasto Packaging (Nepal) Ltd.

**Education:** PhD in Analysis of Low Carbon Development Strategies - Role of Transport Sector Electrification and Carbon Tax in Nepal from Asian Institute of Technology, Thailand in 2012. MSc in A Case Study on Contribution on the Reduction of Green House Gas Emission from Alternative Energy Promotion Center, Energy Sector Assistance Programme's Renewable Energy Technology Projects from Tribhuvan University, Nepal in 2004. BE in Total Quality Management of Nepal Lube Oil Ltd from Tribhuvan University, Nepal in 1999.

**Awards:** PhD Fellowship Award (2007) by Ministry of Foreign Affairs, Norway. Vidhya Bhusan Medal (2013) by Government of Nepal, Nepal.

**Expertise:** Energy Economics. Energy Systems and Climate Change Modelling. Analysis and Planning. Renewable Energy Technology and Management.

**Professional Affiliation:** Nepal Engineering Council, Kathmandu, Nepal. Nepal Engineers' Association, Pulchowk, Lalitpur, Nepal. Nepal University Teachers' Association, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Gopi Krishna Marga, Chabahil, Kathmandu-7, Nepal. **Phone number/Cell:** 9818714954/9861666908. **E-mail:** shreerajshakya@gmail.com, shreerajshakya@ioe.edu.np



**753. Shree Ram Ghimire (M; 1963; Chitwan, Nepal)**

**Category:** Agriculture Economics.

**Current Affiliation:** Chief, Agriculture Information and Training Center, Harihar Bhawan, Lalitpur, Nepal.

**Past Experiences:** Senior Agriculture Economist, Agriculture Information and Training Center. Senior Agriculture Development Officer, District Agriculture Development Office, Jajarkot. Senior Agriculture Economist, Ministry of Agriculture and Livestock Development.

**Education:** PhD in Prospects of Agriculture Development of Nepal under Open Market Trading Regimes from Tokyo University of Agriculture and Technology, Japan in 2012. MSc in Economic Analysis of Egg Production Agri-Business in Chitwan from Tribhuvan University, Rampur Campus, Nepal in 2003. BSc in Study of Demand and Supply Situation of Fresh Fruits and Vegetables in Kathmandu Valley from Tribhuvan University, Rampur Campus, Nepal in 1990.

**Awards:** Nepal Vidhya Bhusan Padak 'Ka' (2013) by Rt Honorable President of Nepal. Best Civil Servant Award (2016) by Ministry of Agriculture and Livestock Development. Social Service Award (2007) by The Reukai Nepal.

**Expertise:** Agricultural Trade Economics. Disaster Resource Management (DRM). Agriculture Technology Transfer and Extension.

**Professional Affiliation:** Nepal Agricultural Economics Society. Nepal Agriculture Federation. Patanjali Yog Sewa Kendra.

**Correspondence:** **Mailing Address:** Agriculture Information and Training Center, Harihar Bhawan, Lalitpur, Nepal. **Phone number/Cell:** 9851151347. **E-mail:** ghimiresr@gmail.com



#### 754. Shree Ram Khadka (M; 1966; Lamjung, Nepal)



**Category:** Optimization.  
**Current Affiliation:** Associate Professor, Tribhuvan University, Kirtipur.  
**Past Experiences:** Teacher, Bal Kalyan Higher Secondary School, Lamjung. Lecturer, Central Department of Mathematics, Tribhuvan University, Kirtipur.  
**Education:** PhD in Mixed-Model Just-In-Time Sequencing Problem from Tribhuvan University, Nepal in 2012. MSc in Mathematics from Tribhuvan University, Nepal in 1996. BSc in Mathematics, Physics, Statistics from Tribhuvan University, Nepal in 1994.  
**Awards:** Commended Award (2016) by 5th International Conference on Dynamics in Logistics, Bremen, Germany.  
**Expertise:** Optimization. Graph Theory. Production Planning. Dynamics in Logistics.  
**Professional Affiliation:** Central Department of Mathematics, Tribhuvan University, Kirtipur.  
**Correspondence:** **Mailing Address:** Central Department of Mathematics, Tribhuvan University, Kirtipur, Nepal. **Phone number/Cell:** 9851064495. **E-mail:** shreeramkhadka@gmail.com

#### 755. Shreekant Adhikari (M; 1959; Kaski, Nepal)



**Category:** Applied Microbiology.  
**Current Affiliation:** Senior Scientist, Baebies Inc. (Health Research Institute), Morrisville, NC, USA.  
**Past Experiences:** Research Associate, University of Georgia (UGA), GA, USA. Professor & Head, Central Department of Microbiology, TU, Nepal. Chairman, Department of Microbiology, Tri-Chandra Campus, TU, Nepal.  
**Education:** PhD in Microbiology from University of Delhi, India in 2007. MSc in Botany-Specialized in Microbial Research from Tribhuvan University, Nepal in 1990. BSc in Biology from Tribhuvan University, Nepal in 1987.  
**Awards:** National Education Award (2009) by Ministry Of Education, Nepal. Nepal Vidhya Bhusan 'Ka' Award (2008) by Government of Nepal. JICA Scholarship Award (1996) by Osaka University, Government of Japan, Japan.  
**Expertise:** Diagonosis of Diseases by the use of Minimum (50 µl) Amount of Blood Through Microfluidic and Immunological Technique. Purification of Viral Protein Through Ultrafiltration and HPLC Technique. Production, Characterization and Application of Bacterial Enzymes Through Microbial Technology.  
**Professional Affiliation:** Nepalese Society for Microbiology (NESOM), Nepal. American Society for Microbiology (ASM), USA. Association of Microbiologist of India (AMI), India.  
**Correspondence:** **Mailing Address:** Janjaya Marg House No. 99, Machhapokhari, Balaju, Kathmandu-16, Nepal. **Phone number/Cell:** 9841303015. **E-mail:** skadhikari@gmail.com.

**756. Shubh Narayan Pathak (M; 1962; Achham, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Dean, Purbanchal University, Biratnagar.

**Past Experiences:** Professor, Pulchowk Engineering College, Tribhuvan University.

**Education:** PhD in Probabilistic-Approach in Rock Slope Stability Analysis for Himalayan Conditions from Norwegian University of Science and Technology, Norway in 2003. MSc in Hydropower Development and Management from Norwegian University of Science and Technology, Norway in 1998. BSc in Irrigation Engineering from Moscow Institute of Hydrotechnical Engineering, Russian Federation in 1991.

**Correspondence:** **Mailing Address:** Kuleshor, Kathmanu, Nepal. **Phonenumber/Cell:** 9851231555. **E-mail:** pathakshubh@gmail.com



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**757. Shyam Kishor Sah (M; 1983; Bhaktapur, Nepal)**

**Category:** Biomedical Sciences. Immunology.

**Current Affiliation:** Research Scientist, University of Connecticut Health Center, 263 Farmington Ave, Farmington, CT 06032.

**Past Experiences:** Post-Doc Scientist, The Catholic University of Korea.

**Education:** PhD in Immunology, Skin inflammation from The Catholic University of Korea in 2016. MSc in Biotechnology from Punjabi University, India in 2010. BSc in Biochemistry from Pokhara University, Nepal in 2006.

**Awards:** Silver Jubilee Fellowship (2008) by Government of India. Brain Korea (2010-2015) by Government of Korea. Gold medal (2016) by The Catholic University of Korea.

**Expertise:** Immunology. Skin Biology. Stem Cells.

**Professional Affiliation:** University of Connecticut Health Center, USA.

**Correspondence:** **Mailing Address:** 1622 Farmington Ave, Apt 8, Unionville, CT, 06085. **Phone number/Cell:** 8603486819. **E-mail:** azzumax@gmail.com



**758. Shyam Narayan Labh (M; 1958; Dhanusa, Nepal)**

- Category:** Fisheries. Aquaculture Nutrition. Animal Physiology and Nutrigenomics.
- Current Affiliation:** Fulbright Research Scholar and Visiting Professor, Aquaculture Research Institute (ARI), University of Idaho.
- Past Experiences:** Professor of Zoology (Animal Physiology and Fish Biology), Amrit Campus, Tribhuvan University since 1987 to till date. Visiting Professor and NAST-INSa Fellow-2015, ICAR-Central Institute of Fisheries Education (CIFE), Mumbai, India. Visiting Professor (Short-Term), Aqua Research Lab, Department of Zoology, University of Delhi, India.
- Education:** PhD in Animal Nutrition from University of Delhi, India in 2008/2009. MSc in Zoology (Fisheries) from CDZ, TU, Kirtipur, Nepal in 1984. BSc in Zoology (Honours) from LNM University, India in 1981.
- Awards:** Life-Time Achievement Award (2018) by Blue Planet Society (BPS), India. Professor VRP Sinha Gold Medal (2016) by Karnataka University and Zoological Society of India (ZSI). Nepal Vidhya Bhusan Padak 'Ka' (2010) by Dr. Ram Baran Yadav, President of Nepal.
- Expertise:** Animal Nutrition. Nutriegenomics. Nutraceuticals and Feed Formulation (Shrimp, Fish and Shellfish). Animal Physiology. Molecular Endocrinology. Reproductive Biology and Growth (SGR, FCR FCE). Biochemistry. Physiology. Immunology. Haematology. Enzymology. Histology. TEM Analysis.
- Professional Affiliation:** Nominated Fellow, Linnean Society of London. Member, United States Aquaculture Society. Fellow, World Aquaculture Society. Fellow, Nepal Aquaculture Society. Fellow, Zoological Society of India. Fellow, Blue Planet Society of India.
- Correspondence:** **Mailing Address:** Sri-Vinayak Marg, Sinamangal-9, Kathmandu, Nepal. **Phone number/Cell:** WhatsApp: +9779841238706. **E-mail:** snlabh@gmail.com, snlabh@uidaho.edu



**759. Shyam Prakash Dumre (M; 1978; Syangja, Nepal)**

- Category:** Health. Medicine. Tropical and Infectious Diseases.
- Current Affiliation:** Assistant Professor, Institute of Tropical Medicine, Nagasaki University.
- Past Experiences:** National Health Professional (NO-A), WHO, Country Office for Nepal. Consultant for Leishmaniasis Clinical Trials, DND, Geneva. Microbiologist, AMR and Infectious Diseases Surveillance, WHO, National Public Health Laboratory, Ministry of Health, Nepal.
- Education:** PhD in Biomedical Sciences from Thammasat University, Thailand in 2013. MSc in Medical Microbiology from Central Department of Microbiology, Tribhuvan University, Nepal in 2005. BSc in Microbiology from Tribhuvan University, Nepal in 2001.
- Awards:** Global Health Award (2019) by Bill and Melinda Gates Foundation, USA. Young Scientist Award (2013) by American Society for Microbiology, USA. LTG Award (2009) by WHO, Geneva.
- Expertise:** Clinical and Basic Science Research in Infectious Diseases. Vector-Borne Diseases (Dengue, JE, Malaria, Leishmaniasis) Management, Surveillance and Control. Immunology and AMR Research.
- Professional Affiliation:** Membership Committee, American Society of Tropical Medicine and Hygiene (ASTMH), USA. Southeast Asia Development Actions Network (SADAN). Chair, International Coordination Committee, Worldwide Nepalese Students Organization (WNSO).
- Correspondence:** **Mailing Address:** 10-17 Heiwa-Machi, Nagasaki 852-8116. **Phone number/Cell:** 818052007737. **E-mail:** sp.dumre@gmail.com



**760. Shyam Prasad Lohani (M; 1968; Jhapa, Nepal)**

**Category:** Medical Toxicology. Suicidology.

**Current Affiliation:** Professor, Nobel College, Pokhara University, Sinamangal, Kathmandu.

**Past Experiences:** Director, Quality Assurance and Accreditation, University Grants Commission, Nepal. Clinical Director, Nepal Drug and Poison Information Center. Factory Controller, Deurali-Janta Pharmaceuticals Pvt Ltd.

**Education:** PhD in Deliberate Self-Poisoning from Tribhuvan University, Nepal in 2004. Master of Pharmacy in Sustained Drug Delivery from University of Dhaka, Bangladesh in 1993. Bachelor of Pharmacy (Honors) in Pharmacy from University of Dhaka, Bangladesh in 1991.

**Awards:** Mahendra Vidhya Bhusan 'Ka' (2006) by Ministry of Education. Mahendra Vidhya Bhusan 'Kha' (1998) by Ministry of Education. Mahendra Vidhya Bhusan 'Ga' (1998) by Ministry of Education.

**Expertise:** Medical Toxicology. Pharmaceutical Care. Suicide Studies.

**Professional Affiliation:** American Academy of Clinical Toxicology, USA. International Society of Pharmacoeconomics and Outcome Research, USA. Nepal Pharmaceutical Association, Nepal.

**Correspondence:** **Mailing Address:** Nobel College, PO Box 10420, Sinamangal, Kathmandu, Nepal. **Phone number/Cell:** 9851038490. **E-mail:** lohanis@gmail.com



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**761. Shyam Prasad Mahto (M; 1955; Siraha, Nepal)**

**Category:** Zoology.

**Past Experiences:** Chairman of Zoology Department, TM Campus, Palpa. Professor, Tribhuvan University, Nepal.

**Education:** PhD in Taxonomic Studies on Dung Beetles (Coleoptera, Scarabaeidae, Coprinae) of Dhanusha District, Nepal from Tribhuvan University, Nepal in 2011. MSc in Zoology from Tribhuvan University, Nepal in 1985. BSc from LN Mithila University, Darbhanga, Bihar, India in 1977.

**Awards:** Deergha Sewa Padak (Long Service Medal) (2014) by Tribhuvan University. Nepal Vidhya Bhusan Padak 'Ka' (2012) by Ministry of Education, Nepal.

**Expertise:** Entomology. Dung Beetles.

**Correspondence:** **Mailing Address:** Jankpurdham-4, Nepal. **Phone number/Cell:** 9854026202. **E-mail:** grshyammahto@gmail.com



**762. Shyam Sundar Parajuly (M; 1984; Kaski, Nepal)**

**Category:** Medical Imaging.

**Current Affiliation:** Sonogram Officer, Pokhara Academy of Health Sciences, Pokhara-2, Kaski.

**Past Experiences:** Medical Sonogram Officer, Paropakar Maternity and Children Hospital, Thapathali.

**Education:** PhD in Ultrasound Based Computer Aided Diagnosis System for Breast Cancer Detection from Sichuan University, China in 2014. MSc in Medical Imaging (Clinical Ultrasonography), Diagnostic Potential of Strain Ratio Measurement and 5 Point Scoring Method in Detecting Breast Cancer from Sichuan University, China in 2011. BSc in Medical Imaging Technology from BPKIHS, Nepal in 2005.

**Awards:** Nepal Bidhyapadak (2014) by Government of Nepal. Distinguished International Students Awards (2011) by China Scholarship Council.

**Expertise:** Ultrasound Based Computer Aided Diagnosis System for Breast Cancer Detection. Medical Imaging Technology that includes Elastography Imaging in Detecting Breast Cancer, Thyroid Cancer.

**Professional Affiliation:** Pokhara Academy of Health Sciences, Ramghat-10, Pokhara.

**Correspondence:** **Mailing Address:** Pokhara-2, Kaski, Nepal. **Phone number/Cell:** 9843588850. **E-mail:** shyampkr@gmail.com



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**763. Sindhu Prasad Dhungana (M; 1966; Sarlahi, Nepal)**

**Category:** Forestry. Environmental Science.

**Current Affiliation:** Joint Secretary, Ministry of Forests and Environment, Singh Durbar, Kathmandu.

**Past Experiences:** Teaching Associate, Monash University. Training Officer, Regional Forestry Training Centre, Pokhara. District Forest Officer, District Forest Office, Dolakha.

**Education:** PhD in Social Production of Ecosystem Services in the Tinau Watershed, Nepal from Monash University, Australia in 2014. MSc in An Economic Analysis of Government-Managed and Community Forestry in Nepal from The University of Melbourne, Australia in 2006. BSc in Forestry from Tribhuvan University, Institute of Forestry, Nepal in 1996.

**Awards:** Australian Leadership Award (2010) by AusAID.

**Expertise:** Forest Certification. Ecosystem Services. Environmental and Social Safeguards.

**Professional Affiliation:** Life Member, Nepal Foresters' Association.

**Correspondence:** **Mailing Address:** C/O Nepal Foresters' Association, GPO Box 2761, Kathmandu, Nepal. **Phone number/Cell:** 9860330217. **E-mail:** sindhungana@gmail.com



**764. Sishir Gautam (M; 1977; Chitwan, Nepal)**

**Category:** Natural Resource Management.  
**Current Affiliation:** Physical Scientist, Natural Resources Canada, Ottawa, Canada.  
**Past Experiences:** Research Scientist, Hegyi Geomatics.  
**Education:** PhD in Modeling the Carbon Dynamics in the Congo Basin Rain Forests of Gabon from University of Natural Resources and Applied Life Sciences Vienna, Austria in 2012. MSc in Ecosystem Modeling from University of Natural Resources and Life Sciences, Austria in 2008. BSc in What Poor Expect from Community Forests? From Institute of Forestry, Nepal in 2003.  
**Awards:** Erasmus Mundus Scholarship (2006) by European Union.  
**Expertise:** Ecosystem Modelling. Spatial Modelling. Natural Resource Management.  
**Professional Affiliation:** Natural Resources Canada. Hegyi Geomatics. University of BOKU .  
**Correspondence:** **Mailing Address:** 103 Portrush Avenue, Ottawa, K2J 5J2, ON Canada. **Phone number/Cell:** 16136956030. **E-mail:** sishir.gautam@gmail.com



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**765. Sita Ram Ghimire (M; 1971; Gorkha, Nepal)**

**Category:** Plant Physiology.  
**Current Affiliation:** Researcher, CSIRO Ag & Food, Australia, Clunies Ross St, ACT, 2601 .  
**Past Experiences:** Agronomist, Department of Agriculture, Government of Nepal. Post-Doctoral Researcher, Kyungpook National University, South Korea. Post-Doctoral Researcher, RDA, South Korea.  
**Education:** PhD in Agronomy/Crop Physiology from Kyungpook National University, Republic of Korea in 2008. MSc in Agriculture from Kyungpook National University, Republic of Korea in 2005. BSc in Agriculture from IAAS, TU, Nepal in 1995.  
**Awards:** Fellowship, Korea Research Foundation (2006) by Government of South Korea. Excellent Performance Reward (2019) by CSIRO, Australia. Excellent Performance Reward (2017) by CSIRO, Australia.  
**Expertise:** Physiological Evaluation of Crops for Abiotic Stresses. Application & Analysis of Lidar Technology in Non-Destructive Evaluation of Crop Plants for Yield Components and Abiotic Stresses. Ecological Safety Evaluation of GM Crops.  
**Professional Affiliation:** Australian Society of Agronomy. Nepalese Association of Agriculture, Forestry and Environment in Australia.  
**Correspondence:** **Mailing Address:** CSIRO Ag & Food, Clunies Ross St, ACT, 2601, Australia. **Phone number/Cell:** 0468958402. **E-mail:** ramghimire71@gmail.com.



**766. Soma Nath Sapkota (M; 1962; Kaski, Nepal)**

**Category:** Engineering. Geology.

**Current Affiliation:** Retired Director General, Department of Mines and Geology, Lainchaur, Kathmanu.

**Past Experiences:** Director General, Department of Mines and Geology. Project Chief, Petroleum Exploration Promotion Project. Founder CEO, Dhaubadi Iron Company Limited.

**Education:** PhD in Surface Rupture of 1934 Bihar-Nepal Earthquake and its Implications in Seismic Hazard from Institut de Physique du Globe de Paris, Nepal in 2011. MSc in Geology and desertation on Paleomagnetism from TU, Nepal in 1995. BSc in Geology, Physics and Mathematics from TU, Nepal in 1990.

**Awards:** Science Award 2074 by Nepal Academy of Science and Technology in Recognition for Contribution for Earthquake Research in Nepal. (2017) by NAST. Nepal Vidhya Bhusan 'Ka' Medal (2012) by President of Federal Democratic Republic of Nepal Dr. Ram Baran Yadav. Gold medal from Post graduate course "Centre for Space Science Technology Education in Asia Pasific (CSSTE-AP) (1999) by Indian Institute of Remote Sensing Dehradun India –1999.

**Expertise:** Earthquake Hazard and Risk. Remote Sensing and Morphotectonics. Geology.

**Professional Affiliation:** Department of Mines and Geology. Petroleum Exploration Promotion Project. National Seismological Centre.

**Correspondence:** **Mailing Address:** Soma Nath Sapkota, Kirtipur-1, Tyanglaphant, Kathmandu, Nepal. **Phone number/Cell:** +97714334176/9851018141. **E-mail:** somanathsapkota@yahoo.com



**767. Sony Shakya (F; 1980; Kavrepalanchok, Nepal)**

**Category:** Neuropharmacology.

**Current Affiliation:** Associate Professor, Department of Pharmacology, Kathmandu University School of Medical Sciences, Panauti, Kavre.

**Past Experiences:** Assistant Professor, Department of Pharmacology, Kathmandu University School of Medical Sciences. Visiting Research Fellow, Department of Physiology and Pharmacology, University of Gothenburg, Sweden. Visiting Scientist, Strathclyde Institute of Pharmacy and Biomedical Sciences, University of Strathclyde, UK.

**Education:** PhD in Input Properties of Four Populations of Spinocerebellar Tract Neurons in The Cat and The Rat Thoraco-Lumbar Spinal Cord from University of Glasgow, United Kingdom in 2009-2013. Master in Pharmacy in Pharmaceutical Care from Kathmandu University, Nepal in 2005-2007. Bachelor in Pharmacy in Case Studies of Hospitalized Patient Due to Drug Related Complications from Kathmandu University, Nepal in 1999-2003.

**Awards:** NAST Young Scientist Award (2014) by National Award of Science and Technology. Nepal Vidhya Bhusan 'Ka'(2014) by Nation. Overseas Research Studentship Award Scheme, University Faculty Scholarship (2009) by University of Glasgow, UK.

**Expertise:** Immunohistochemistry. Confocal Microscopy. *In vivo* Electrophysiology. Cell Culture and Patch Clamp on Neuronal Cells and Human Cell Lines.

**Professional Affiliation:** Kathmandu University. Paracelsus Medical University. University of Glasgow.

**Correspondence:** **Mailing Address:** Dhulikhel Hospital, Dhulikhel, Nepal, PO Box 11008. **Phone number/Cell:** 9841276045. **E-mail:** sonyshakya@hotmail.com



**768. Srijan Lal Shrestha (M; 1963; Lalitpur, Nepal)**

**Category:** Statistics.

**Current Affiliation:** Professor, Central Department of Statistics, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Reader, CDS, TU. Lecturer, CDS, TU. Assistant Lecturer, CDS, TU.

**Education:** PhD in Statistics from Tribhuvan University, Nepal in 2007. MSc in Statistics from Tribhuvan University, Nepal in 1991. BSc in Statistics, Physics, Mathematics from Tribhuvan University, Nepal in 1988.

**Awards:** NABIL Science and Technology Award (2016) by Nepal Academy and Science and Technology. Nepal Vidhya Bhusan 'Ka' (2009) by Ministry of Education, Government of Nepal.

**Expertise:** Environmetrics. Environmental Health Data Modeling. Statistical Modeling. Multivariate Analysis.

**Professional Affiliation:** Central Department of Statistics, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Central Department of Statistics, TU, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** +97715539397. **E-mail:** srijan\_shrestha@yahoo.com



**769. Subarna Shakya (M; 1970; Lalitpur, Nepal)**

**Category:** Engineering. Science and Technology.

**Current Affiliation:** Professor, Tribhuvan University, Department of Electronics and Computer Engineering, Pulchowk Campus, IOE, Tribhuvan University.

**Past Experiences:** Executive Director, National Information Technology Center, Government of Nepal. Assistant Dean, Institute of Engineering, Tribhuvan University. Head of Department, Department of Electronics and Computer Engineering, Pulchowk Campus, IOE, Tribhuvan University.

**Education:** PhD in Computer Science and Engineering, from Lviv Polytechnic National University, Ukraine in 2000. MSc in Computer Science and Engineering, from Lviv Polytechnic National University, Ukraine in 1996. Diploma in Electronics Engineering from Tribhuvan University, Nepal in 1990.

**Awards:** Young Science and Technology Award (2006) by Nepal Academy of Science and Technology. Best Innovation Award (2014) by Nepal Engineers Association. Award 100 Most Dedicated Professors (2019) by World Education Congress.

**Expertise:** Cloud Computing. Information Security. E-Governance.

**Professional Affiliation:** Nepal Engineer Association. Indian Society for Mathematical Modeling and Computer Simulation, IIT, Kanpur. International Association of Computer Science and Information Technology.

**Correspondence:** **Mailing Address:** Department of Electronics and Computer Engineering, Pulchowk Campus, IOE, Tribhuvan University. **Phone number/Cell:** 9851032303. **E-mail:** drss@ioe.edu.np



**770. Subash Ghimire (M; 1979; Lalitpur, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Assistant Professor and Head of Department, Geomatics Engineering, Kathmandu University, Lalitpur-24.

**Past Experiences:** Assistant Professor, Department of Geomatics Engineering, School of Engineering, Kathmandu University, Dhulikhel, Kavre, Nepal. Assistant Professor, Department of Civil and Geomatics Engineering, School of Engineering, Kathmandu University. Civil Engineer, Bianco Cont & Trading (BCT) Doha, Qatar. Waterway Incharge, 2471m, Khudi Hydroelectric Project (4Mw), Khudi, Lamjung, Nepal. Project Incharge, Civil Construction of 33/11 KV Jiri Substation, Jiri, Dolakha, Nepal. Employer, Himal Hydro and General Construction Ltd. POST Box 12268, Kathmandu, Nepal.

**Education:** PhD in Geomatics Engineering-Developing land Valuation model for land Acquisition in Infrastructure Development, A Livelihood Perspective from Kathmandu University, Nepal in 2019. MSc in Geoinformation Science and Earth Observation, Land Administration from University of Twente. ITC, Netherlands in 2011. BE in Civil Engineering from Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal in 2003.

**Awards:** Erasmus + International Credit Mobility, Key Action 1 as an exchange in Yildiz Technical University, Turkey, 15-21 July 2018 by Erasmus +. Erasmus + International Credit Mobility, Key Action 1 as an exchange in University of Salzburg, Austria from April to July 2017 by Erasmus +. PhD Fellowship Award (2015) by NAST.

**Expertise:** Surveying and Mapping. Land Management. Geographic Information System.

**Professional Affiliation:** Kathmandu University, Dhulikhel, Kavre. Bianco Cont and Trading, Doha Qatar. Himal Hydro and General Construction Ltd, Nepal.

**Correspondence** **Mailing Address:** Lalitpur-24, Nepal. **Phone number/Cell:** 9841797156, **E-mail:** subash\_ghimire@ku.edu.np



**771. Subash Subedi (M; 1982; Nawalparasi, Nepal)**

**Category:**

Agricultural Plant Pathology.

**Current Affiliation:**

Senior Scientist, Nepal Agricultural Research Council (NARC), Government of Nepal, Nepal Agricultural Research Council (NARC), National Maize Research Program, Rampur, Chitwan, Nepal.

**Past Experiences:**

Food Security Officer, Center for Community Development Nepal (CCDN), Hetauda, Makwanpur, Nepal. Scientist, Nepal Agricultural Research Council, Grain Legumes Research Program, Khajura, Banke, Nepal. Senior Scientist, Nepal Agricultural Research Council, National Maize Research Program, Rampur, Chitwan, Nepal.

**Education:**

PhD in Plant Pathology from Tribhuvan University, Institute of Agriculture and Animal Science (IAAS), Nepal in 2016. MSc in Agriculture (Plant Pathology) from Institute of Agriculture and Animal Science (IAAS), Tribhuvan University, Rampur, Chitwan, Nepal in 2008. BSc in Agriculture from Institute of Agriculture and Animal Science (IAAS), Tribhuvan University, Rampur, Chitwan, Nepal in 2006.

**Awards:**

Nepal Vidhya Bhusan 'Ka' (2018) by Ministry of Education, Science and Technology, Nepal. 'Mobility Grant' (2017) by LabEx COTE, Bordeaux, France. PhD Thesis Research Grant (2011) by Nepal Agricultural Research Council (NARC), Nepal.

**Expertise:**

Plant Disease Management. Host Resistance. Disease Forecasting. Host Pathogen Interaction. Epidemiology. Bio-Control Agents. Integrated Disease Management. Scientific Data Analysis and Publication (Journal Editorial Board Affiliation and Manuscripts Ad Hoc Review). Plant Disease Diagnosis and Laboratory Services.

**Professional Affiliation:**

Government of Nepal, Nepal Agricultural Research Council (NARC), National Maize Research Program, Rampur, Chitwan, Nepal. SAHAMATI (An Institution Dedicated for Community plus Humane Development), Gaidakot, Nawalparasi, Nepal. Center for Community Development Nepal (CCDN), Hetauda, Makwanpur, Nepal.

**Correspondence:**

**Mailing Address:** Government of Nepal, Nepal Agricultural Research Council (NARC), National Maize Research Program, Rampur, Chitwan, Nepal. **Phone number/Cell:** 9845066695. **E-mail:** subedi.subash1@gmail.com



**772. Subeg Man Bijukchhen (M; 1985; Bhaktapur, Nepal)**

**Category:** Seismology.

**Current Affiliation:** Senior Lecturer, Khwopa Engineering College, Bhaktapur-8.

**Past Experiences:** Lecturer, Khwopa College of Engineering. Assistant Lecturer, Tri-Chandra Multiple Campus.

**Education:** PhD in Strong Motion Seismology from Hokkaido University, Japan in 2018. MSc in Engineering Geology from Tribhuvan University, Nepal in 2010. BSc in Geology from Tri-Chandra Campus, Nepal in 2007.

**Awards:** Merit Scholarship (2009) by Central Department of Geology, TU. MEXT Scholarships (2013) by Government of Japan. Nepal Vidhya Bhusan 'Ka' (2019) by Ministry of Education, Nepal.

**Expertise:** Seismology. Disaster Management. Remote Sensing/GIS.

**Professional Affiliation:** Khwopa Engineering College, Bhaktapur-8, Nepal.

**Correspondence:** **Mailing Address:** Kamalvinayak, Bhaktapur-10, Nepal. **Phone number/Cell:** 9861970334. **E-mail:** subegbij@gmail.com



**773. Subodh Sharma (M; 1965; Rupandehi, Nepal)**

**Category:** Zoology.

**Current Affiliation:** Registrar, Kathmandu University, Dhulikhel 7, Kavrepalanchowk.

**Past Experiences:** Dean, School of Science, Kathmandu University. Head, Department of Environmental Science and Engineering. Director, Research, Development and Consultancy.

**Education:** PhD in Hydrobiology from University of Natural Resources and Applied Life Sciences (BOKU), Austria in 1996. MSc in Zoology (Ecology) from Tribhuvan University, Nepal in 1988. BSc in Biology from North Eastern Hill University (NEHU), India in 1985.

**Awards:** Rastriya Sikshya Puraskar (2013) by Ministry of Education, Government of Nepal. Bisista Sikshya Sewi Samman Puraskaar (2008) by Rt. H. First President of Republic of Nepal. Third World Academy of Science and Technology (TWAS) (2002) Awarded by the State Minister of Science and Technology Organised by Royal Nepal Academy of Science and Technology (RONAST), Nepal.

**Expertise:** River Water Quality Bio-Monitoring using Macro-Invertebrates as Biological Indicators. Paleolimnology of High Altitude Lakes using Chironomids Head Capsules as Proxy Indicators. Water Supply, Sanitation and Hygiene (WASH).

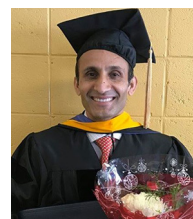
**Professional Affiliation:** Kathmandu University, Dhulikhel, Kavre, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Shankarnagar, Tilottama-1, Rupandehi, Nepal. **Phone number/Cell:** 9841254129. **E-mail:** prof.s.sharma@gmail.com



**774. Subodh Adhikari (M; 1977; Lamjung, Nepal)**

- Category:** Agricultural Sciences. Agroecology. Organic Farming.
- Current Affiliation:** Post-Doctoral Researcher, University of Idaho, ID 83844-2329.
- Past Experiences:** Lecturer, Ecology, Amrit Campus, Tribhuvan University, Kathmandu, Nepal. Science Program Chief, Shubhashree College, Kathmandu, Nepal. Graduate Teaching Assistant, Montana State University.
- Education:** PhD in Agroecology - Impacts of Dryland Farming Systems on Biodiversity, Plant-Insect Interactions and Ecosystem Services from Montana State University, United States in 2018. MSc in Ecology-Effects of Insect Herbivory on Plant Architecture, Flowering Phenology, Flower Visitors' Activity and Reproduction Success in *Cirsium altissimum* L. from Wichita State University, United States in 2013. BSc in Botany from Tribhuvan University, Nepal in 1999.
- Awards:** OCIA-Research and Education Micro Grant (2014) by Organic Crop Improvement and Association. Research Grant (2004) by WWF Nepal. Judges Choice Award for Three Minute Research Competition (2017) by Montana State University.
- Expertise:** Agroecology and Integrated Pest Management. Organic Farming. Biodiversity and Ecosystem Services. Plant-Insect Interactions and Bees.
- Professional Affiliation:** Entomological Society of America, MD. Ecological Society of America, NW, Washington, DC.
- Correspondence:** **Mailing Address:** 875 Perimeter Drive MS 2329 Moscow, ID 83844-2329. **Phone number/Cell:** 4065394634. **E-mail:** subodh.adhikari1@gmail.com



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**775. Suchit Prasad Shrestha (M; 1972; Lalitpur, Nepal)**

- Category:** Crop Physiology. Crop Modelling. Agronomy. Soil Science.
- Current Affiliation:** R&D Director, Karma Group of Companies, Sitapaila, Kathmandu.
- Past Experiences:** Post-Doc, Crop Physiology, IRRI, Philippines. Post-Doc, Agronomy, AfricaRice, Benin. Technical Officer, NARC.
- Education:** PhD in Genotypic Responses of Upland Rice to an Altitudinal Gradient from University of Hohenheim, Germany in 2012. MSc in Phenological and agronomical responses of rice genotypes to changes in planting date in a high altitude cropping system of Nepal from University of Bonn, Germany in 2007. BSc in Soil Science, Watershed Management from IAAS, Rampur, Chitwan, Nepal in 1994.
- Correspondence:** **Mailing Address:** Patan Bhimsensthan, Mangal Bazar, Swatha Marga, Lalitpur-16, Nepal. **Phone number/Cell:** 9841507415. **E-mail:** suchit.shrestha@gmail.com



**776. Suchita Shrestha (F; 1977; Lalitpur, Nepal)**

**Category:** Earth and Environmental Science.

**Current Affiliation:** Senior Divisional Geologist, Department of Mines and Geology, Lainchour, Kathmandu.

**Past Experiences:** Lecturer, Amrit Science College, Lainchour.

**Education:** PhD in Seismology-Multidisciplinary Hazard Assessment of the Nepal-Himalaya Region: Insight to the 2015 Mw7.8 Gorkha Earthquake from Pukyong National University, Republic of Korea in 2018. MSc in Geology from Tribhuvan University, Nepal in 2001. BSc in Geology, Statistics, Mathematics from Tribhuvan University, Tri-Chandra College, Nepal in 1999.

**Awards:** Brain Korea 21 Plus (2016) by Brain Korea 21 Plus Project of the Graduate School of Earth Environment Hazards System, Pukyong National University.

**Expertise:** Seismology. Probabilistic Seismic Hazard Assessment. Landslide Hazard Assessment.

**Correspondence:** **Mailing Address:** Imadol, House No. 22 Mahalaxmi-1, Nepal. **Phone number/Cell:** 9841362160. **E-mail:** suchitashrestha@gmail.com



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**777. Sudarshan Bhandari (M; 1981; Ramechhap, Nepal)**

**Category:** Geology. Palaeontology.

**Current Affiliation:** Researcher, Paleo Labo Co Ltd, Japan, Shimomae 1-13-22, Toda City, Saitama, Japan.

**Past Experiences:** Researcher (Engineer), Paleo Labo Co Ltd, Toda City, Saitama, Japan.

**Education:** PhD in Plant Macrofossil from the Quaternary sediments from the Kathmandu Valley and its Paleoclimatic Implications from Tribhuvan University, Nepal in 2012. MSc in Palaeontology, Palaeoecology and Palaeoenvironment of the Lukundol Formation of the Kathmandu Valley, Central Nepal from Tribhuvan University, Nepal in 2006. BSc in Geology with Biology from Tribhuvan University, Nepal in 2001.

**Awards:** NAST-PhD Research Grant (2008) by Nepal Academy of Science and Technology (NAST).

**Expertise:** Archaeobotany. Palaeobotany. Palynology.

**Professional Affiliation:** Paleo Labo Co Ltd, Toda City, Saitama, Japan.

**Correspondence:** **Mailing Address:** Shimomae 1-13-22, Toda City, Saitama, Japan. **Phone number/Cell:** +818030215274. **E-mail:** bhandarisudarshan@gmail.com



### 778. Sudeep Ghimire (M; 1984; Dolakha, Nepal)

**Category:** Cloud Computing. Cyber Systems.

**Current Affiliation:** Sr Software Engineer, RANE Corporation Inc. 290 Congress Street, Boston, MA, USA.

**Past Experiences:** Technical Lead, Tekvortex Pvt Ltd. Sr Researcher, UNINOVA.

**Education:** PhD in Self-Evolutionary Cyber Physical Systems - Leap Towards Smart CPS from Faculty of Science and Technology, New University of Lisbon, Portugal in 2016. MSc in Reasoning with Text Annotations from Technical University of Dresden, Germany in 2011. BSc in Morphological Analyzer for Nepali Language from Institute of Engineering, Tribhuvan University, Nepal in 2006.

**Awards:** Erasmus Mundus Grant for MSc (2008) by European Commission. Grant for PhD (2012) by UNINOVA.

**Expertise:** Cyber Physical Systems. Cloud Computing Factories of Future.

**Correspondence:** **Mailing Address:** RANE Corporation Inc. 290 Congress Street, Boston, MA, USA. **Phone number/Cell:** +18573468902. **E-mail:** sudeepg545@gmail.com



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### 779. Sudeep Thakuri (M; 1981; Kavrepalanchok, Nepal)

**Category:** Environmental Sciences.

**Current Affiliation:** Associate Professor, Central Department of Environmental Science, Tribhuvan University, Kirtipur, Kathmandu.

**Past Experiences:** Research Fellow, National Research Council-Water Research Institute (CNR-IRSA), Italy. Researcher, Ev-K2-CNR Association, Italy. Researcher, University of Milan, Italy.

**Education:** PhD in Environmental Science-Coupling Glacio-Hydrological Response to Climate Variability in Mt. Everest Region (Central Himalaya) from University of Milan, Italy in 2015. MSc in Environmental Science from Tribhuvan University, Institute of Science and Technology, Nepal in 2006. BSc in Environment Science from Tribhuvan University, Institute of Science and Technology, Nepal in 2004.

**Awards:** TWAS Prize for Young Scientists (2019) by Nepal Academy of Science and Technology. Vidhya Bhusan 1st Class (2016) by Government of Nepal. IPCC Scholarship Award (2011) by Intergovernmental Panel on Climate Change (IPCC), Switzerland.

**Expertise:** Climate Science and Hydrology. Remote Sensing and GIS. Environmental Modelling.

**Professional Affiliation:** American Geophysical Union (AGU). European Geoscience Union (EGU). Society of Hydrologists and Meteorologists-Nepal.

**Correspondence:** **Mailing Address:** Srijana Nagar, Suryabinayak-5, Bhaktapur, Nepal. **Phone number/Cell:** 9851101011. **E-mail:** sthakuri@cdes.edu.np



**780. Sudha Joshi Shrestha (F; 1960; Kathmandu, Nepal)**

**Category:** Botany.  
**Current Affiliation:** Associate Professor, Tribhuvan University, Kathmandu.  
**Past Experiences:** Head of the Department, Department of Botany, Patan Multiple Campus, Tribhuvan University, Nepal.  
**Education:** PhD in Taxonomic Studies on *Senecio* L. (Senecioninae, Senecioneae, Asteraceae) of Nepal Himalaya from Tribhuvan University, Nepal in 2016. MSc in Ecology from Central Department of Botany, Tribhuvan University, Nepal in 1984. BSc in Botany from Tri-Chandra Multiple Campus, Nepal in 1981.  
**Awards:** Nepal Vidhya Bhusan (2016) by Government of Nepal.  
**Expertise:** Plant Systematics. Phytochemistry.  
**Professional Affiliation:** Botanical Society of Nepal.  
**Correspondence:** **Mailing Address:** House No. 313. Khursanitar, Lazimpat, Kathmandu, Nepal. **Phone number/Cell:** 014421692/9841466330. **E-mail:** sudhashresthajoshi@gmail.com



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**781. Sudhashree Adhikari (F; 1988; Kaski, Nepal)**

**Category:** Food and Nutrition.  
**Past Experiences:** Research Assistant, Nutritional Science Laboratory, Ehime University. Part-Time Lecturer, Lalitpur Valley College.  
**Education:** PhD in Effects of Daidzein and its Metabolite on Lipid and Glucose Metabolism from Ehime University, Japan in 2020. MSc in Organic Chemistry from Tri-Chandra Multiple Campus, Nepal in 2012. BSc in Chemistry from Prithvi Narayan Campus, Nepal in 2010.  
**Awards:** Rotary Yoneyama Memorial Foundation Scholarship (2017) by Rotary Yoneyama Memorial Foundation, Japan. Scholarship Program for Students Participating in International Conferences (2019) by Ehime University, Japan.  
**Expertise:** Nutrition. Molecular Biology. Natural Product Chemistry.  
**Correspondence:** **Mailing Address:** Block No. 96, Matepani, Pokhara-12, Nepal. **Phone number/Cell:** 9846137428. **E-mail:** sudhashreeadhikari@gmail.com



### 782. Sudip Regmi (M; 1985; Syangja, Nepal)

**Category:** Biopharmacy. Microbiology.

**Current Affiliation:** Manager-QA/QC, Patanjali Ayurved Pvt Ltd, Prasauni-3, Bara, Nepal.

**Past Experiences:** FSMS Coordinator, Bottlers of PepsiCo Intl. Assistant Professor, Gandaki Medical College Teaching Hospital and Research Center. Manager-QA, Himalayas Spring Water Pvt Ltd.

**Education:** PhD in Biopharmacy-Antimicrobial Peptide as Replacement of Conventional Antibiotics from Chosun University, Republic of Korea in 2018. MSc in Medical Microbiology from Tribhuvan University, Nepal in 2007. BSc in Microbiology from Tribhuvan University, Nepal in 2005.

**Awards:** University Scholarship (2014) by Chosun University.

**Expertise:** Quality Assurance of Food. Beverage, and Cosmetic Products. Teaching MBBS Curriculum. Research on Antimicrobial Peptide and Microbial Enzyme.

**Professional Affiliation:** Chosun University. Tribhuvan University. Patanjali Ayurved Pvt Ltd.

**Correspondence:** **Mailing Address:** Virkot-6, Syangja, Nepal. **Phone number/Cell:** 9856058347. **E-mail:** regmi.sudip7@gmail.com

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### 783. Suhrid Banskota (M; 1985; Kathmandu, Nepal)

**Category:** Inflammatory Bowel Disease and Cancer.

**Current Affiliation:** Post-Doctoral Fellow, McMaster University, Ontario, Canada.

**Past Experiences:** Post-Doctoral Fellow, Yeungnam University. Pharmacist, Omnica Laboratories. Pharmacist, Pharmaco Industries Pvt Ltd.

**Education:** PhD in Pharmacy-Role of NADPH Oxidase in Cancer Progression from Yeungnam University, Republic of Korea in 2016. MSc in Pharmacy from Yeungnam University, Republic of Korea in 2012. BPharm in Folklore Medicine used for Skin Disorders from Rajiv Gandhi University of Health Science, India in 2007.

**Awards:** Travel Award (2019) by Chronic Inflammation Immunity and Cancer. Farncombe Post-Doctoral Fellowship (2018) by Farncombe Family Digestive Health Research Institute. Oral Presentation Award (2015/16/17) by Pharmaceutical Society of Korea.

**Expertise:** Inflammatory Bowel Diseases. Colon Cancer. Drug Discovery.

**Professional Affiliation:** Member, Pharmacy Council of Nepal. Member, Pharmaceutical Society of Korea. Member, Canadian Association of Gastroenterology.

**Correspondence:** **Mailing Address:** 644 Main Street West, Hamilton Ontario, Canada. **Phone number/Cell:** +14379282256. **E-mail:** banskots@mcmaster.ca

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**784. Sujan Adhikari (M; 1984; Jhapa, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Executive Director, Savvy Tech Pvt Ltd, Ka 67/10 Seto Dewal Marg, Kupondole, Lalitpur-10.

**Past Experiences:** Visiting Faculty, Institute of Engineering, Pulchowk Campus, Tribhuvan University. Assistant Professor, Kathmandu University. Lecturer, Kathmandu University.

**Education:** PhD in Control and Operation of DC Microgrids from Nanyang Technological University, Singapore in 2018. ME in Electrical Engineering-Research of Four Quadrant Electric Power Converter for Inactive Power Compensator from Moscow Power Engineering Institute (Technical University), Russian Federation in 2010. BE in Electrical Engineering-Single-phase Shunt Active Power Filter from Moscow Power Engineering Institute (Technical University), Russian Federation in 2008.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2019) by Honourable President of Nepal. Singapore International Graduate Award (SINGA) (2013) by Agency of Science, Technology and Research (A\*STAR), Singapore. UNESCO/ISED Co-Sponsored Fellowship Award (2012) by UNESCO/ISED.

**Expertise:** Distributed Generation and Microgrids. Power Converters. Application of Power Electronics to Power System.

**Professional Affiliation:** Institute of Electrical and Electronics Engineers (IEEE). IEEE Power Electronics Society and IEEE Industrial Electronics Society. Member, Nepal Engineering Council, Nepal.

**Correspondence:** **Mailing Address:** 1232, Bhimsengola Marg, Bhimsengola, Kathmandu, Nepal, 44600. **Phone number/Cell:** +9779840436793. **E-mail:** easujan@gmail.com



**785. Sujen Man Shrestha (M; 1962; Kathmandu, Nepal)**

- Category:** Environmental Pollution. Materials Science. Forensic Science.
- Current Affiliation:** Senior Scientific Officer, Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal.
- Past Experiences:** Post-Doctorate Researcher: Fuels Section, Tonen General Research Center, Tonen General Sekiyu K.K. Kawasaki, Japan. Associate Scientific Officer, National Forensic Laboratory, Khumaltar, Lalitpur.
- Education:** PhD in Materials Science and Chemical Engineering-Synthesis and Photoreactions of Novel Photochromic Arylbutadienes from Yokohama National University, Yokohama, Japan in 2003. MSc in Organic Chemistry from Tribhuvan University, Kathmandu, Nepal in 1988. BSc from Tri-Chandra Campus, Tribhuvan University, Kathmandu, Nepal in 1984.
- Awards:** Gold Medal (Mahendra Vidhya Bhusan 'Ka') (2004) by His Majesty King of Nepal.
- Expertise:** Environmental Pollution Especially Related to Air and Water. Materials Science Especially Related to Photochromism. Forensic Science Especially Related to Document, Chemistry and Narcotic.
- Professional Affiliation:** Nepal Chemical Society, Kathmandu. Forensic Science Society, Kathmandu.
- Correspondence:** **Mailing Address:** Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** 9841885126. **E-mail:** sujenshrestha1125@gmail.com



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**786. Sujan Chandra Sigdel (M; 1985; Tanahu, Nepal)**

**Category:** Pharmaceutical Science. Structural Bioinformatics. Protein Engineering.

**Current Affiliation:** Research Director, Pokhara Pharmaceuticals Pvt Ltd, Naya Bazar, Pokhara-9, Nepal.

**Past Experiences:** Post-Doctoral Research Fellow, Konkuk University.

**Education:** PhD in Hybrid Rational Design of Methane Monooxygenase and Isomerase from Konkuk University, Seoul, South Korea in 2016. MSc in The P2Y2 Receptor and its Ligands: Synthesis, Receptor Modeling and Docking Studies from University of Bonn, Bonn, Germany in 2011. BSc in Phytochemical Studies and Antimicrobial Activities of *Eupatorium glandulosum* Kunth from Pokhara University, Pokhara, Nepal in 2006.

**Awards:** Korean Government BK21 Research Fellowship (2012) by Korean Government.

**Expertise:** Biomolecular Engineering. Bioinformatics. Pharmaceutical Sciences.

**Professional Affiliation:** Pokhara Pharmaceuticals, Pvt Ltd, Pokhara, Nepal.

**Correspondence:** **Mailing Address:** Nayabazar, Pokhara-9, Nepal. **Phone number/Cell:** +9779856073029. **E-mail:** sujan.sigdel@gmail.com



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**787. Sujan Koirala (M; 1980; Sindhupalchok, Nepal)**

**Category:** Natural Science (Earth System Science).

**Current Affiliation:** Scientist, Max Planck Institute for Biogeochemistry, Hans Knoell Str. 10, 07745 Jena, Germany.

**Past Experiences:** Researcher, The University of Tokyo. Researcher, Tokyo Institute of Technology. Hydropower Engineer, Pioneer Consulting Engineers.


**Education:** PhD in Civil Engineering (Global Water Resources) from The University of Tokyo, Japan in 2010. MSc in Water Resources from Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal in 2006. BE in Civil Engineering from Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal in 2003.

**Awards:** Mahendra Vidhya Bhusan 'Ka' (2011) by Government of Nepal. Mahendra Vidhya Bhusan 'Kha' (2011) by Government of Nepal. Ram Prasad Manadhar and Vice-Chancellor Award (2009) by Tribhuvan University.

**Expertise:** Hydrology and Water Resources. Flood and Drought. Global Climate Change. Large-Scale Hydrological and Climate Modeling.

**Professional Affiliation:** American Geophysical Union. European Geosciences Union. Asia Oceania Geosciences Society.

**Correspondence:** **Mailing Address:** Hans Knoell Str. 10, 07745 Jena, Germany. **Phone number/Cell:** +4917680333344. **E-mail:** skoirala@bgc-jena.mpg.de



**788. Sujata Sapkota (F; 1982; Ramechhap, Nepal)**

**Category:** Pharmacy. Social Pharmacy. Pharmacy Practice. Qualitative Research. Medication Adherence. Medication Safety. Diabetes Research.

**Current Affiliation:** Post-Doctoral Fellow, Manmohan Memorial Institute of Health Science, Soltimode, Kathmandu. Research Lead, PHASE Nepal, Dadhikot, Suryabinayak-4, Bhaktapur, Nepal.

**Past Experiences:** Research Lead, Senior Research Associate, Nepal Development Research Institute. Casual Tutor, Demonstrator, Faculty of Pharmacy, The University of Sydney, Australia. Lecturer, Department of Pharmacy, Kathmandu University.

**Education:** PhD in Pharmacy-Exploring Type 2 Diabetes Management in Nepalese Patients from The University of Sydney, Australia in 2017. MPharm in Pharmaceutical Care-Study on The Factors Influencing Adherence to Anti-Retroviral Therapy in HIV/AIDS Patients from Kathmandu University, Nepal in 2009. BPharm-Prevalence Pattern of Cancer and Handling of Cytotoxic Drugs from Kathmandu University, Nepal in 2005.

**Awards:** Australia Awards (Development Scholarship) (2013) by Government of Australia. Nepal Vidhya Bhusan 'Ka' (2017), 'Kha' (2010) by Government of Nepal. Pharmacy Information Section Grant (to attend 68th International Congress of FIP in Basel, Switzerland) (2008) by International Pharmaceutical Federation (FIP).

**Expertise:** Social Pharmacy. Pharmacy Practice. Pharmacy. Medication Adherence. Diabetes Care. Qualitative Research.

**Professional Affiliation:** Nepal Pharmacy Council, Bijulibazar, New Baneshwor, Kathmandu.

**Correspondence:** **Mailing Address:** House No. 52, Venketesh Marg, Battisputali, Kathmandu, Nepal. **Phone number/Cell:** 014495264/9841333672. **E-mail:** sapkota\_sujata@hotmail.com



**789. Sujit Kumar Shah (M; 1981; Jhapa, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Assistant Professor, Mahendra Morang Adarsh Multiple Campus, Biratnagar, Nepal.

**Past Experiences:** Teaching Assistant, Mahendra Morang Adarsh Multiple Campus, Biratnagar.

**Education:** PhD in Physical Chemistry from Tribhuvan University, Nepal in 2016. MSc in Physical Chemistry from Tribhuvan University, Nepal in 2006. BSc in Chemistry from Tribhuvan University, Nepal in 2002.

**Awards:** First Prize Award for Young Scientist (2019) by Ministry of Social Development, Province 1, Nepal. Nepal Vidhya Bhusan 'Ka' (2018) by President of Nepal, Honorable Bidhya Devi Bhandari. The World Academy Sciences (TWAS) Award for Young Scientist (2017) by NAST.

**Correspondence:** **Mailing Address:** Department of Chemistry, Mahendra Morang Adarsh Multiple Campus, Biratnagar, Nepal. **Phone number/Cell:** 9842033826. **E-mail:** sujitg11@yahoo.com



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**790. Sulav Adhikari (M; 1980; Kathmandu, Nepal)**

**Category:** Electrical and Electronics Engineering.

**Current Affiliation:** Radio Frequency Design Engineer, Allen Vanguard Corp, 2405 St. Laurent Blvd, Ottawa, Ontario, Canada.

**Past Experiences:** RF Designer, Dragon Wave Inc. Ottawa, Ontario, Canada. Microwave Design Engineer, Apollo Microwaves, Montreal, Canada. RF Application Engineer, Infineon Technologies, Munich, Germany.

**Education:** PhD in Electrically and Magnetically 2-Dimensional tuned Substrate Integrated Waveguide Devices from University of Montreal, Canada in 2014. MSc in Microwave Engineering from Technical University of Munich, Germany in 2005. BE in Electrical and Electronics Engineering from Kathmandu University, Nepal in 2002.

**Awards:** IEEE MTT-S Graduate Fellowship Award (2013) by IEEE Microwave Theory and Techniques Society. IEEE Microwave Student Design Competition First Prize (2013) by IEEE Microwave Theory and Techniques Society.

**Expertise:** Wireless System Engineering. RF Power Amplifier Design. RF. Microwave and Millimeter Wave Active and Passive Circuit Design.

**Professional Affiliation:** IEEE, Piscataway, New Jersey, United States.

**Correspondence:** **Mailing Address:** 124 Rodeo Drive, Nepean, K2J 5K3, ON, Canada. **Phone number/Cell:** 6132610453. **E-mail:** sulav.adhikari@gmail.com



### 791. **Suman Lama (M; 1981; Kavrepalanchok, Nepal)**

**Category:** Biochemical Engineering.

**Current Affiliation:** Post-Doctoral Researcher, Ulsan National Institute of Science and Technology, Ulsan, South Korea.

**Past Experiences:** R and D Officer, Deuralijanta Pharmaceuticals.

**Education:** PhD in Chemical Engineering from Pusan National University, Republic of Korea in 2019. MSc in Medical Microbiology from Tribhuvan University, Nepal in 2006. BSc in Microbiology from Tribhuvan University, Nepal in 2004.

**Awards:** Best Paper Award (2017) by IBIOS, Singapore. Best Paper Award (2019) by Korean Society for Biotechnology and Bioengineering.

**Expertise:** Biochemical Engineering. Molecular Biology. Genetic Engineering .

**Professional Affiliation:** Ulsan National Institute of Science and Technology.

**Correspondence:** **Mailing Address:** Ulsan, South Korea. **Phone number/Cell:** +821044152512. **E-mail:** djplsuman@gmail.com, unislama@unist.ac.kr



### 792. **Suman Manandhar (M; 1973; Kathmandu, Nepal)**

**Category:** Geotechnical Engineering and Engineering Geology.

**Current Affiliation:** Assistant Professor (Lecturer), Central Department of Geology, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Visiting Associate Professor, Institute of Lowland and Marine Research, Saga University, Japan. Lecturer, Institute of Lowland and Marine Research, Saga University, Japan. Post-Doctoral Fellow, Department of Civil and Structural Engineering, Kyushu University, Japan.

**Education:** PhD in Bearing Capacity of Tapered Piles in Sands from Department of Civil and Structural Engineering, Kyushu University, Japan in 2010. MSc in Engineering Geologic Studies of the Landslides in the Kulekhani Catchment, Central Nepal, Lesser Himalaya from Central Department of Geology, Tribhuvan University, Nepal in 1998. BSc in Geology, Mathematics and Physics from Department of Geology, Tri-Chandra Multiple Campus, Tribhuvan University, Nepal in 1996.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2017) by President of Nepal. Mahendra Vidhya Bhusan 'Kha' (2001) by Late King Birendra Bir Bikram Shah Dev. Japanese Government Monbukagakusho Scholarships (MEXT) (2007-2010) by Japanese Government Monbukagakusho Scholarships (MEXT).

**Expertise:** Geotechnical Engineering (Soil and Rock Mechanics, Slope Stability Analyses, Ground Improvement, Liquefaction Analysis and Foundation Analysis). Engineering Geology and Site Investigation of Hydropower, Tunnel, Road, Highway, XRD Analysis. Geo-Disaster, Geohazards and Disaster Risk Management.

**Professional Affiliation:** ICGS Pvt Ltd, Minbhawan, Kathmandu, Nepal. Global Institute for Interdisciplinary Studies (GIIS), Kathmandu, Nepal. Kathmandu University, Dhulikhel, Kavre, Nepal.

**Correspondence:** **Mailing Address:** Khusibun, Kathmandu, Nepal. **Phone number/Cell:** 9851228727/98230229299. **E-mail:** geosuman27@gmail.com



**793. Suman Rimal (M; 1988; Nuwakot, Nepal)**

**Category:** Biology.

**Current Affiliation:** Post-Doctoral Researcher, Kookmin University, Kookmin University, Seoul, South Korea.

**Past Experiences:** PhD Student, Kookmin University.

**Education:** PhD in Neuroscience from Kookmin University, Republic of Korea in 2019. MSc in Microbiology from Tribhuvan University, Nepal in 2013. BSc in Microbiology from Tribhuvan University, Nepal in 2009.

**Awards:** Young Scientist Award (2019) by Korean Drosophila Research Society. Global Scholarship Award For Foreign Students (2016) by Kookmin University.

**Expertise:** Animal handling (*Drosophila*). Molecular Cloning. DNA and RNA work. Electrophysiology. Confocal Imaging.

**Professional Affiliation:** Kookmin University, Seoul, South Korea.

**Correspondence:** **Mailing Address:** 77-jeongneung-ro, 3 Sam Song, Seongbuk-Gu, Kookmin University, Building of Natural Sciences, Room No 211, Seoul, South Korea. **Phone number/Cell:** 01062104117. **E-mail:** sumanrimal1988@gmail.com



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**794. Sumangala Darsandhari (F; 1985; Kathmandu, Nepal)**

**Category:** Biology.

**Current Affiliation:** 501 Fonthill Dr, PA 18901.

**Past Experiences:** Lecturer, Lord Buddha Education Foundation, Maitidevi. PhD Scholar, Sun Moon University.

**Education:** PhD in Biochemistry from Sun Moon University, Republic of Korea in 2018. MSc in Medical Microbiology from Tribhuvan University, Kirtipur, Nepal in 2010. BSc in Microbiology from Tribhuvan University, Nepal in 2006.

**Awards:** Full Studentship for PhD Studies (2013) by Sun Moon University, Best Thesis Award (2019) by Sun Moon University.

**Expertise:** Biotechnology. Biochemistry. Microbiology.

**Professional Affiliation:** Korean Society of Microbiology and Biotechnology.

**Correspondence:** **Mailing Address:** 501 Fonthill Dr, F1, Doylestown. **Phone number/Cell:** +1(267)4613290. **E-mail:** dsumann@gmail.com



**795. Sumarga Kumar Sah Tyagi (M; 1985; Dhanusa, Nepal)**

**Category:** Information and Communication Technology.

**Current Affiliation:** Assistant Professor, Zhongyuan University of Technology, Longhu, Xinzheng West, Xinzheng-451191, Zhengzhou, Henan, China.

**Past Experiences:** Assistant Lecturer, Hetauda School of Management and Social Sciences, Hetauda, Makawanpur. IT Officer, MicroFox Pvt Ltd.

**Education:** PhD in Computer Application Technology-Thermal-aware Energy-Efficient Dynamic BBU Pooling in Cloud Radio Access Networks from University of Chinese Academy of Sciences, Beijing, China in 2019. MSc in Computer Science from South Asian University, New Delhi, India in 2014. BE in Electronics and Communication Engineering from Purbanchal University, Nepal in 2011.

**Awards:** CAS-Twas President's Fellowship (2014) by Chinese Academy of Sciences, China and The World Academy of Sciences, Italy. Silver-Jubilee Scholarship (2013) by Government of India. Silver-Jubilee Scholarship (2012) by Government of India.

**Expertise:** Cloud Radio Access Networks. 5G. Green Computing and Communication Technology.

**Professional Affiliation:** Institute of Electrical and Electronics Engineers. Nepal Engineering Council.

**Correspondence:** **Mailing Address:** Longhu, Xinzheng West, Xinzheng-451191, Zhengzhou, Henan, China. **Phone number/Cell:** 15514557195. **E-mail:** sumarga@ieee.org



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**796. Sumit Bam Shrestha (M; 1988; Dang, Nepal)**

**Category:** Neuromorphic Engineering.

**Current Affiliation:** Scientist I, Institute for Infocomm Research (I2R), Agency for Science Technology and Research (A\*STAR), Singapore, Institute for Infocomm Research (I2R) 1 Fusionopolis Way #21-01 Connexis South Tower (N09C035) Singapore 138632.

**Past Experiences:** Research Scientist (A), Temasek Laboratories @ National University of Singapore.

**Education:** PhD in Supervised Learning in Multilayer Spiking Neural Network from Nanyang Technological University, Singapore in 2017. BE in Electronics and Communication Engineering from Tribhuvan University, Pulchowk Campus, Nepal in 2011.

**Awards:** SINGA (2012) by Singapore.

**Expertise:** Spiking Neural Network. Machine Learning. Artificial Intelligence.

**Correspondence:** **Mailing Address:** Institute for Infocomm Research (I2R) 1 Fusionopolis Way #21-01 Connexis South Tower (N09C035) Singapore 138632. **Phone number/Cell:** +6598411781. **E-mail:** bam\_sumit@hotmail.com



**797. Sundar Tiwari (M; 1997; Tanahu, Nepal)**

- Category:** Agriculture. Entomology. Pollination. Integrated Pest Management.
- Current Affiliation:** Associate Professor, Department of Entomology, Faculty of Agriculture, Agriculture and Forestry University, Bharatpur-15, Chitwan, Nepal.
- Past Experiences:** Entomologist, Global Pollination Project/UN-FAO. Agronomist (IPM Expert), Dialogos Denmark, Nepal Public Health Foundation. Research Associate, Tribhuvan University, Directorate of Research.
- Education:** PhD in Agro-Ecological Management of The Wheat Bug (*Nysius huttoni*) and Other Pest In Brassicas from Lincoln University, Bio-Protection Research Center, New Zealand in 2016-2020. MSc in Field Survey, Management and Integrated Management of Banana Stem Weevil in Banana Orchard from Tribhuvan University, Institute of Agriculture and Animal Sciences, Nepal in 2002-2006. BSc in Horticulture from Tribhuvan University, Institute of Agriculture and Animal Sciences, Nepal in 1998-2002.
- Awards:** NZ Aid PhD Study Award (2016-2020) by Ministry of Foreign Affairs and Trade (MFAT), New Zealand. Short Course Training on Integrated Pest Management (2012/2015/2016) by NUFFIC, Netherland. MFAT New Zealand Best PhD Student Award (2019) by MFAT, Lincoln University.
- Expertise:** Entomology. Insect Ecology and Integrated Pest Management. Pollinator Identification and Pollination Services. Habitat Pest Management and Agro-Ecosystem Services.
- Professional Affiliation:** General Member, Entomological Society of America. General Member, Plant Protection Society, New Zealand. Life Member, Plant Protection Society of Nepal.
- Correspondence:** **Mailing Address:** Department of Entomology, Faculty of Agriculture, Agriculture and Forestry University, Bharatpur-15, Rampur, Chitwan, Nepal. **Phone number/Cell:** 9840714985. **E-mail:** tiwarisundar1979@gmail.com



**798. Sunil Aryal (M; 1973; Kathmandu, Nepal)**

**Category:** Agriculture.

**Current Affiliation:** Senior Scientist (S3), Entomology Division, NARC, Khumaltar, Lalitpur.

**Past Experiences:** Technical Officer, National Maize Research Programme, Rampur. Technical Officer, Entomology Division, NARC.

**Education:** PhD in Applied Entomology - Risk Analysis of Invaded Potato Tuber Moth, *Phthorimaea operculella*, (Zeller). Lepidoptera, Gelechiidae to Tomato from Andong National University, Department of Bioresource Sciences, Nepal in 2018. MSc in Entomology-Management of The Potato Tuber *Phthorimaea operculella* (Zeller) Lepidoptera, Gelechiidae Using Indigenous Granulovirus Isolate from Institute of Agriculture and Animal Science, Tribhuvan University, Nepal in 2010. BSc in Agriculture from Marathwada Agricultural University, College of Agriculture, India in 1997.

**Awards:** Nepal Vidhya Bhusan (2019) by President of Nepal.

**Expertise:** Pesticide Residue and Botanicals. Biological Control. Insect Pest Management.

**Professional Affiliation:** Society of Agricultural Scientist-Nepal. Plant Protection Society, Nepal.

**Correspondence:** **Mailing Address:** Entomology Division, PO Box 976, Kathmandu, Nepal. **Phone number/Cell:** +97715521141/9841240506. **E-mail:** sunilaryal2005@gmail.com



**799. Sunil Babu Shrestha (M; 1971; Gorkha, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Vice-Chancellor, Nepal Academy of Science and Technology (NAST), Khumaltar, Lalitpur, Nepal.

**Past Experiences:** Member, Government of Nepal, National Planning Commission (NPC). National Project Development Expert, Public Private Partnership for Urban Environment (PPPUE), GON-UNDP. Principal Consultant, Clean Development Consult (CDC).

**Education:** PhD in Environmental Development Engineering from Osaka Sangyo University, Japan in 2004. MSc in Urban Planning from Tribhuvan University, Nepal in 1999. BE in Civil Engineering from Tribhuvan University, Nepal in 1994.

**Awards:** Science and Technology Youth Award (2011) by Nepal Academy of Science and Technology (NAST). Youth Talent Award (2010) by Government of Nepal, Ministry of Youth and Sports. Youth Professional Award (2009) by Nepal Engineers' Association (NEA).

**Expertise:** Environmental Development Engineering. Urban Planning. Public Private Partnership (PPP).

**Professional Affiliation:** Nepal Engineers' Association (NEA), Kathmandu, Nepal. Regional and Urban Planners' Society of Nepal (RUPSON), Kathmandu, Nepal. Nepal PhD Association (NPA), Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Food Green Home, Thaiba, Lalitpur, Nepal. **Phone number/Cell:** 9851084015. **E-mail:** sunilbabushrestha@gmail.com



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**800. Sunil Dhakal (M; 1985; Kathmandu, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Lecturer, Aspire2international, 189 Tuam St, Christchurch, New Zealand.

**Past Experiences:** Research Assistant, University of Canterbury. Assistant Project Manager, Udeco Pvt Ltd/Udeco Telecom Services Pvt Ltd.

**Education:** PhD in 5G Networks from University of Canterbury, New Zealand in 2019. ME in RFID System from Chosun University, Republic of Korea in 2013. BE in Electronics and Communication from Tribhuvan University, Nepal in 2007.

**Awards:** UC Doctoral Scholarship (2014) by University of Canterbury. Graduate Research Scholarship (2011) by Chosun University.

**Expertise:** 5G Networks. RFID System. Wireless Networks.

**Professional Affiliation:** IEEE. Future inTech Ambassador.

**Correspondence:** **Mailing Address:** 47 Osborne St, Waltham, Christchurch, New Zealand. **Phone number/Cell:** +64221871024. **E-mail:** sunil.dhakal@hotmail.com.



**801. Sunil Kumar Joshi (M; 1969; Kathmandu, Nepal)**

**Category:** Health Sciences.

**Current Affiliation:** Professor and Head, Department of Community Medicine, Kathmandu Medical College, Baburam Acharya Sadak 184, Sinamangal, Kathmandu, Nepal.

**Past Experiences:** Vice-Principal, Examinations and CPD, Kathmandu Medical College. Member, National Non-Communicable Diseases Committee, Ministry of Health and Population, Nepal. Gexcel Post-Doctoral Fellow, European Centre of Gender Excellence, Linkoping University, Sweden.

**Education:** PhD in Public Health-Injuries, A Serious Public Health Problem in Nepal, Activities Towards Prevention and Control of Injuries, Violence and Disabilities in Nepal from Kyrgyz State Medical Academy, Osh Centre for Postgraduate Medical Education, Kyrgyzstan in 2009. Master of Philosophy in Occupational Medicine-Analysis of Possible Occupational Related Lung Cancer Among The Patients Attending Bhaktapur Cancer Centre, Bhaktapur, Nepal from University of Bergen, Norway in 2002. Doctor of Medicine in General Medicine from Tajik State Medical University, Tajikistan in 1996.

**Awards:** Federation of Grill and Steel Fabricators Nepal National Honour 2076 (2019) by Federation of Grill and Steel Fabricators Nepal. KMC Award of Excellence (2017) by Kathmandu Medical College. Creative Genius Award (2014) by ADVANCE Study Team, Norwegian University of Science and Technology, London School of Hygiene and Tropical Medicine, Johns Hopkins SPH, Kathmandu University, KMC.

**Expertise:** Occupational and Environmental Health. Injuries and Violence Prevention. Public Health and Community Medicine.

**Professional Affiliation:** Visiting Professor, Faculty of Health and Applied Sciences, University of the West of England, Bristol, UK. Board Member, International Commission on Occupational Health (ICOH), Italy. Chief Editor, International Journal of Occupational Safety and Health (Int J Occup Safety Health), Nepal.

**Correspondence:** **Mailing Address:** Kathmandu Medical College, Department of Community Medicine, Baburam Acharya Sadak 184, Sinamangal, Kathmandu, Nepal.

**Phone number/Cell:** 9851056859. **E-mail:** drsunilkj@gmail.com



**802. Sunil Prasad Lohani (M; 1978; Jhapa, Nepal)**

**Category:** Renewable Energy. Biogas. Biomass. Solar Energy. Waste to Energy and Waste Management.

**Current Affiliation:** Associate Professor, Kathmandu University, Dhulikhel, Kavre.

**Past Experiences:** Assisatnt Professor, Kathmandu University. Lecturer, Kathmandu University.

**Education:** PhD in Bio-Energy from Kathmandu University, Nepal and Karlsruhe Institute of Technology, Germany, Nepal in 2016. MSc in Renewable Energy from Oldenburg University, Germany in 2008. BE in Mechanical Engineering from Kathmandu University, Nepal in 2001.

**Awards:** DAAD Fellowship (2006) by German Academic Exchange Program (DAAD). DAAD Fellowship (2014) by German Academic Exchange Program (DAAD).

**Expertise:** Bio-Energy (Biogas And Biomass) Technology and Policy Waste to Bioenergy. Waste (Wastewater) Treatment and Management. Renewable Energy Policy.

**Professional Affiliation:** Nepal German Academic Association. Nepal Engineering Association.

**Correspondence:** **Mailing Address:** PO Box 6250, Kathmandu University, Dhulikhel, Kavre, Nepal. **Phone number/Cell:** 9849278175. **E-mail:** splohani@ku.edu.np



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**803. Sunila Rai (F; 1966; Bhojpur, Nepal)**

**Category:** Aquaculture. Fisheries.

**Current Affiliation:** Professor, Agriculture and Forestry University, Rampur, Chitwan.

**Past Experiences:** Assistant Dean (Academic), Faculty of Animal Science, Veterinary Science and Fisheries, Agriculture and Forestry University. Deputy Director, Directorate of Research and Publication, Institute of Agriculture and Animal Science. Head, Aquaculture Department, Institute of Agriculture and Animal Science.

**Education:** PhD in Aquaculture and Aquatic Resources Management from Asian Institute of Technology, Thailand in 2007. MSc in Aquaculture from Asian Institute of Technology, Thailand in 1997. BSc in Biology from Tribhuvan University, Nepal in 1986.

**Awards:** TWOWS Fellowship (2004) by TWOWS.

**Expertise:** Aquaculture. Fisheries. Gender.

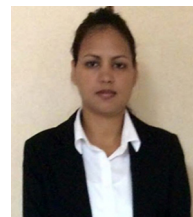
**Professional Affiliation:** Nepal Fisheries Association. Asian Fisheries Society. Organization for Women in Science for the Developing World.

**Correspondence:** **Mailing Address:** Post Box 26032, Kathmandu, Nepal. **Phone number/Cell:** 9851114098. **E-mail:** sunilarai10@gmail.com



**804. Sunita Basnet (F; 1986; Kathmandu, Nepal)**

**Category:** Life System and Material System Engineering.  
**Current Affiliation:** Director, Himalaya Research Institute of Biotechnology, Suryakot 32, Koteswor, Kathmandu.  
**Past Experiences:** Researcher, Korea University. Researcher, Dankook University.  
**Education:** PhD in Synthesis and Characterization of Biomass Derived Bio-Epoxy Resins from Tokushima University, Japan in 2016. MSc in Comparative Studies on Nutraceutical Compounds Between Native and CMV Resistant Genetically Modified Pepper Plants from Soon Chun Hyang University, Republic of Korea in 2009. BSc in Microbiology from Tri-Chandra College, Tribhuvan University, Nepal in 2006.  
**Awards:** Japan Education Award (2013-2016) by Japan.  
**Expertise:** Natural Products Chemistry. Analytical Chemistry. Microbiology.  
**Professional Affiliation:** Himalaya Research Institute of Biotechnology. Polytechnic Research Institute of Nepal (PORIN).  
**Correspondence:** **Mailing Address:** Kirtipur-4, Kathmandu, Nepal. **Phone number/Cell:** 9818153308. **E-mail:** Sunita\_basnet144@yahoo.com



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**805. Sunita Singh (F; 1963; Parsa, Nepal)**

**Category:** Zoology.  
**Current Affiliation:** Associate Professor, Department of Zoology, TRM Campus, Birgunj.  
**Past Experiences:** Assistant Lecturer, TRM Campus, Birgunj. Lecturer, TRM Campus, Birgunj. Associate Professor, TRM Campus, Birgunj.  
**Education:** PhD in Investigations on The Ecology of Maidhiya Pond (Birgunj, Nepal) with Reference to Fishes from Baba Saheb Bhimrao Ambedkar University, Muzzafarpur, Bihar, India in 1999. MSc in Zoology from Patna University, Patna, India in 1985. BSc in Physics, Chemistry, Biology from Patna University, Patna, India in 1981.  
**Awards:** Deergha Sewa Padak (Long Service Medal) (2014) by TU. Nepal Vidhya Bhusan (2010) by President of Nepal.  
**Expertise:** Fish & Fisheries. Ecology. Water Limnology.  
**Professional Affiliation:** Department of Zoology, Thakur Ram Multiple Campus, Birgunj, Parsa, Nepal.  
**Correspondence:** **Mailing Address:** Birgunj-2, Doctor's Colony Chhapkaiya, Parsa. **Phone number/Cell:** 9845040474. **E-mail:** sunitakns@gmail.com



**806. Suraj Prashad Bhatt (M; 1979; Kanchanpur, Nepal)**

**Category:** Geosciences.

**Current Affiliation:** Director, Geomineral Reserves Private Limited, Kanchanpur, Nepal.

**Past Experiences:** Manager (Mining and Operations), Integrated Glass Materials Ltd (Subsidiary Company of Asahi India Glass Ltd), Roorkee, Uttarakhand, India.

**Education:** PhD in Engineering Geology from HNB Garhwal University, India in 2010. MSc in Geology from HNB Garhwal University, India in 2004. BSc in Geology from HNB Garhwal University, India in 2002.

**Awards:** Nepal Vidhya Bhusan Award (2014) by Ministry of Education, Government of Nepal.

**Expertise:** Mining and Exploration. Engineering Geology.

**Professional Affiliation:** Recognized Qualified Person (RQP) Indian Bureau of Mines. Member, Nepal Geological Society.

**Correspondence:** **Mailing Address:** Krishnapur-5, Kanchanpur, Mahakali, Nepal. **Phone number/Cell:** 9858750288. **E-mail:** drsurajbhatt@gmail.com



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**807. Suraj Sharma (M; 1983; Syangja, Nepal)**

**Category:** Environmental Science.

**Current Affiliation:** Assistant Professor, Kathmandu Forestry College, Koteswor-32, Kathmandu.

**Past Experiences:** Course Contract Lecturer, Pokhara University. Assistant Professor, Dimoria College Khetri Assam India.

**Education:** PhD in Land Degradation and its Impact on Some Major Ecosystem Services from Assam University Silchar Assam, India in 2017. MSc in Ecological Restoration-Environmental Science from Dibrugarh University Assam, India in 2008. BSc in Zoology (Honrs) from Guahati University Assam, India in 2005.

**Expertise:** Wildlife. Ecology. Environment.

**Professional Affiliation:** Kathmandu Forestry College.

**Correspondence:** **Mailing Address:** Seetal Margh, House No. 144, Chorepatan, Pokhara-17, Kaski, Nepal. **Phone number/Cell:** 9866088659. **E-mail:** surajsharma83@yahoo.com



**808. Suraj Shrestha (M; 1987; Kathmandu, Nepal)**

**Category:** Hydrology and Climatology.

**Current Affiliation:** Visiting Faculty, Central Department of Hydrology and Meteorology, Tribhuvan University, Tribhuvan University, Kirtipur, Nepal.

**Past Experiences:** PhD Scholar (2014-2019), Institute of Tibetan Plateau Research, Chinese Academy of Sciences. Teaching Assistant (2013-2014), Central Department of Hydrology and Meteorology, Tribhuvan University. Teaching Assistant (2013-2014), Department of Meteorology, Tri-Chandra Multiple Campus, Tribhuvan University.

**Education:** PhD in Physical Geography-Precipitation Characteristics Evaluation and Hydrological Modeling in Complex Mountainous River Systems on the Southern Slopes of the Himalayas from Institute of Tibetan Plateau Research, University of Chinese Academy of Sciences, China in 2019. MSc in Hydrology and Meteorology-Verification of the observed discharge data by using Tank Model and flood forecasting by Gumbel's method in Kathmandu Valley of Bagmati basin at Khokana from Central Department of Hydrology and Meteorology, Tribhuvan University, Nepal in 2011. BSc in Hydrology and Meteorology from Department of Meteorology, Tri-Chandra Multiple Campus, Tribhuvan University, Nepal in 2009.

**Awards:** Nepal Vidhya Bhusan Padak 'Ka' (2019) by Ministry of Education, Government of Nepal. Nepal Vidhya Bhusan Padak 'Kha' (2014) by Ministry of Education, Government of Nepal. CAS-TWAS President's Fellowship for PhD Research (2014) by CAS-TWAS.

**Expertise:** Hydrological Modeling. Hydrology. Meteorology.

**Professional Affiliation:** Central Department of Hydrology and Meteorology, Tribhuvan University, Kirtipur, Nepal.

**Correspondence:** **Mailing Address:** Tokha-6, Dhapasi, Kathmandu. **Phone number/Cell:** 015159257/9841820338. **E-mail:** theshrestha.amigo@gmail.com



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### 809. Suraj Upadhaya (M; 1987; Dolpa, Nepal)

**Category:** Conservation Science.

**Current Affiliation:** Post-Doctoral Research Associate, Natural Resource Ecology and Management, Iowa State University, Ames, IA, USA. Director, Himalayan Conservation & Research Institute, Thulibheri-3, Dunai, Dolpa, Nepal.

**Past Experiences:** Executive Director, Youth for Nature. Nepal Program Coordinator, SeedTree Inc.

**Education:** PhD in Integrative Conservation of Nature and Forestry from University of Georgia, United States in 2019. MSc in Forestry from University of Kentucky, United States in 2015. BSc in Forestry from Institute of Forestry, Tribhuvan University, Nepal in 2012.

**Awards:** Sydney Byers Conservation Award (2017) by Wildlife Conservation Network.

**Expertise:** Ecosystem Services. Social-Ecological Systems. Human-Dimensions.

**Professional Affiliation:** Nepal Foresters' Association. International Association for Landscape Ecology. Society of American Foresters.

**Correspondence:** **Mailing Address:** 2310 Pammel Dr, Ames, IA 50011 USA. **Phone number/Cell:** 4044039198. **E-mail:** upadhaya@iastate.edu



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### 810. Surendra Karki (M; 1980; Tanahu, Nepal)

**Category:** Epidemiology and Veterinary Science.

**Current Affiliation:** Team Leader, Fleming Fund Country Grant for Nepal for Tackling Antimicrobial Resistance/FHI 360, Anamika Galli, Baluwatar, Kathmandu.

**Past Experiences:** Post-Doctoral Research Associate, University of Illinois at Urbana, Champaign, USA. Veterinary Officer, Veterinary Epidemiology Center, Department of Livestock Services, Government of Nepal. Veterinary Officer, Department of Livestock Services, Government of Nepal.

**Education:** PhD in Improved estimates of Risk of Exposure to Pathogens Transmitted by Mosquitoes from University of Illinois at Urbana-Champaign, USA in 2017. MS (Epidemiology)-Epidemiologic and Economic Analysis of Avian Influenza in Nepal from Texas A and M University, College Station, Texas, United States in 2013. Bachelor in Veterinary Science and Animal Husbandry from Institute of Agriculture and Animal Science, Tribhuvan University, Nepal in 2005.

**Awards:** Fulbright Fellowship (2011) by USEF Nepal/US Department of State. Weston Award (2012) by Fulbright/IEE, USA. The 2014-15 Warren Lavey and Dr. Holly Rosencranz Research Awards in Climate Change and Public Health (2014) by ISEE/University of Illinois, Urbana-Champaign.

**Expertise:** Epidemiology. Antimicrobial Resistance and One Health. Zoonoses. Veterinary Science.

**Professional Affiliation:** Nepal Veterinary Association, Tripureshwor. International Society of Geospatial Health. World Veterinary Association.

**Correspondence:** **Mailing Address:** Shukla Gandaki-4, Tanahun, Nepal. **Phone number/Cell:** 9863797294. **E-mail:** karkisuren@gmail.com



**811. Surendra Lal Hada (M; 1971; Kathmandu, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Director, Nepal Telecommunications Authority, Shri Kunj, Kamaladi, Kathmandu, Nepal.

**Past Experiences:** Telecom Engineer, Nepal Telecommunications Corporation. Program Officer, Nepal Engineering College. Consultant Engineer, Quantum International.

**Education:** PhD in Electrical and Electronics Engineering, Design and Optimization of Mode Splitter for Multimode Communication Systems from Kathmandu University, School of Engineering, Nepal in 2019. MSc in Telecommunications Regulation and Policy-Effects of Competition in the Telecommunication Sector in Nepal from The University of the West Indies/ St. Augustine Campus, Trinidad and Tobago in 2007. BE in Electrical and Electronics Engineering, Design and Construction of UPS from Bangladesh University of Engineering and Technology, Bangladesh in 1998.

**Awards:** Strong-Ties Fellowship for PhD under Erasmus Mundus (2012-2015) by European Union. ITU Fellowship for MSc. Telecommunications (Regulation and Policy) (2004 - 2007) by International Telecommunications Union.

**Expertise:** Optical Fibre Communications. Photonics. Cellular Mobile.

**Professional Affiliation:** Optical Society of America (OSA), Washington, DC, USA. Institute of Electrical and Electronics Engineers (IEEE), USA. The Institution of Electronics and Telecommunication Engineers (IETE), New Delhi, India.

**Correspondence:** **Mailing Address:** 667, Ranibari Marg, Samakhushi, Kathmandu-26, Nepal. **Phone number/Cell:** +97714350141/9801040000. **E-mail:** surendrahada@yahoo.com



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### 812. Surendra Raj Pathak (M; 1973; Kanchanpur, Nepal)

**Category:** Mathematics.

**Current Affiliation:** Assistant Professor, Tribhuvan University, Bhimdatt-17, Kanchanpur.

**Past Experiences:** Teaching Assistant, TU.

**Education:** PhD in A study on topological applications from Sai Nath University, India in 2019. MSc in Mathematics from Tribhuvan University, Nepal in 1998. BSc in Physics, Chemistry, Mathematics from Tribhuvan University, Nepal in 1994.

**Awards:** PhD (2019) by Sai Nath University. MSc (1998) by Tribhuvan University.

**Expertise:** Algebra. Calculus. Topology and Graph Theory.

**Professional Affiliation:** Tribhuvan University, Nepal. Sai Nath University, India.

**Correspondence:** **Mailing Address:** Kathmandu, Sankhamool, Nepal. **Phone number/Cell:** 9848720388. **E-mail:** pathaksr2030@gmail.com.



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### 813. Surendra Shrestha (M; 1969; Palpa, Nepal)

**Category:** Nanotechnology. Electronics. Telecommunication Engineering.

**Current Affiliation:** Reader, Department of Electronics and Computer Engineering, Pulchowk Campus, Pulchowk, Lalitpur.

**Past Experiences:** Head of Department (since 2018), Department of Electronics and Computer Engineering, Pulchowk Campus, Lalitpur, Nepal. Lecturer, Department of Electronics and Computer Engineering, Pulchowk Campus, Lalitpur, Nepal. Coordinator (2014-2016), MSc-ICE, Department of Electronics and Computer Engineering, Pulchowk Campus, Lalitpur, Nepal.

**Education:** PhD (Nanoscience)-A study on Fabrication of Low Noise Nearfield Optical Probe from Department of Physics, The Graduate School, Sun Moon University, Korea in 2010. MSc (Engineering) in Computer Controlled System of Communication (Tele Communications Engineer) from Tashkent Electro, Technical Institute of Communication, Uzbekistan in 1996.

**Awards:** Best Paper Award (2019) by 3<sup>rd</sup> International Conference on Advanced Engineering and ICT-Conference 2019 (ICTAES-2019), Jeju Island, Korea. Best Paper Award (2018) by 1<sup>st</sup> International Conference on Advanced Engineering and ICT-Convergence 2018 (ICAEIC-2018), Kwangwoon University, Seoul, Korea. Best Paper Award (2014) by 1st International Conference on Contents, Platform, Network and Device (ICCPND-2014), July 10-13, 2014, Pusan National University, Pusan, Korea.

**Expertise:** Nanoscience and Technology. Telecommunication. Material Science (Graphene Based Technology).

**Professional Affiliation:** Department of Electronics and Computer Engineering, Pulchowk Campus, Institute of Engineering, Tribhuvan University.

**Correspondence:** **Mailing Address:** Department of Electronics and Computer Engineering, Pulchowk Campus, IOE, TU. **Phone number/Cell:** 9851198713. **E-mail:** surendra@ioe.edu.np



#### 814. Surendra Sujakhu (M; 1988; Bhaktapur, Nepal)

**Category:** Engineering.

**Current Affiliation:** Lecturer, Kathmandu University, Dhulikhel, Kavre.

**Past Experiences:** Part-Time Teaching and Research Assistant, Nanyang Technological University. Research Assistant, Turbine Testing Lab, Kathmandu University.

**Education:** PhD in Microstructure Dependent Damage Mechanisms Studies and Modeling on High Silicon Spheroidal Graphite Iron from Nanyang Technological University, Singapore in 2018. BE in Mechanical Engineering from Kathmandu University, Netherlands in 2012.

**Awards:** Tokyo Institute of Technology International Research Opportunity Program (TiROP) (2015) by Tokyo Institute of Technology. Singapore International Graduate Award (SINGA) (2013) by Agency for Science, Technology and Research (A\*STAR).

**Expertise:** Material Science and Engineering. Microstructure and Metallography. Fatigue Crack Initiation and Propagation.

**Professional Affiliation:** Kathmandu University.

**Correspondence:** **Mailing Address:** Suryabinayak-6, Sundarbasti, Bhaktapur, Nepal. **Phone number/Cell:** 9841753492. **E-mail:** sujakhu.suren@gmail.com

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#### 815. Suresh Baral (M; 1983; Kaski, Nepal)

**Category:** Engineering.

**Current Affiliation:** Lecturer, School of Engineering, Pokhara University, Pokhara-30, Kaski.

**Past Experiences:** Lecturer, School of Engineering, Pokhara University, Nepal.

**Education:** PhD in Mechanical Engineering from Pusan National University, Republic of Korea in 2015. ME in Mechanical Engineering from Kathmandu University, Nepal in 2010. BE in Mechanical Engineering from Pulchowk Campus, Tribhuvan University, Nepal in 2006.

**Awards:** Nepal Vidhya Bhusan Padak 'Ka' (2016) by Ministry of Education, Nepal. Nepal Vidhya Bhusan Padak 'Kha' (2011) by Ministry of Education, Nepal.

**Expertise:** Renewable Energy. Waste Heat Recovery. Design of Thermal Systems.

**Correspondence:** **Mailing Address:** Sabhagriha Chowk-8, Pokhara, Nepal. **Phone number/Cell:** 9851178352. **E-mail:** sbaral.sb@gmail.com

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**816. Suresh Kumar Dhungel (M; 1966; Mahottari, Nepal)**

- Category:** Semiconductor Technology. Nanotechnology.
- Current Affiliation:** Senior Technical Officer and Spokesperson, Nepal Academy of Science and Technology, Nepal.
- Past Experiences:** Post-Doctoral Researcher, Advanced Nano Product Co. Ltd/Hanbat National University, South Korea. Director, Rosebud School, Kathmandu, Nepal. Senior Physics Teacher, Budhanilkantha School.
- Education:** PhD in Electrical and Electronics Engineering-Crystalline Silicon Surface Passivation and Texturing for High Efficiency Industrial Solar Cell Application from Sungkyunkwan University, Republic of Korea in 2007. MSc in Physics (Solid State Physics Major) from Tribhuvan University, Nepal in 1993. BSc in Physics, Chemistry, Mathematics from Amrit Science College, Tribhuvan University, Nepal in 1991.
- Awards:** Best Thesis Award in PhD (2007) by Dean, School of Electrical and Computer Engineering, SKKU, Republic of Korea. Mohan Dhoj Basnet Technology Academy Award (2007) by Nepal Academy of Science and Technology. Nepal Bhushan Class A (2007) by Government of Nepal.
- Expertise:** Design, Fabrication, and Characterizations of Silicon Solar Cells. Synthesis of Nanoparticles. Characterization and application in Dye Sensitized Solar Cells. Teaching Physics from School to University Level.
- Professional Affiliation:** Nepal Academy of Science and Technology (NAST). Nepal PhD Association. Nepal Physical Society.
- Correspondence:** **Mailing Address:** Chandragiri-5, Gurjudhara, Kathmandu, Nepal. **Phone number/Cell:** +97714315747/9841639177. **E-mail:** skdhungel@hotmail.com



**817. Suresh Kumar Sahani (M; 1981; Siraha, Nepal)**

**Category:** Applied and Pure Mathematics.

**Current Affiliation:** Lecturer, Mithila Institute of Technology (MIT), Janakpurdham, Bisahara Chowk, Janakpurdham, Dhanusha, Nepal.

**Past Experiences:** Lecturer, Model Multiple Campus, Janakpurdham. Lecturer, Universal Academy, Janakpurdham. Lecturer, Janakpur Campus, Janakpurdham.

**Education:** PhD in Mathematics-Study and Analysis of Real Life Applications of Derivatives from Shri Venkateshwara University, India in 2017. Master's Degree (Mathematics) from Tribhuvan University, Nepal in 2007. BA (Mathematics and Economics) from Tribhuvan University, Nepal in 2005.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2019) by Honorary President of Nepal, Bidhya Devi Bhandari.

**Expertise:** Applied Mathematics. Pure Mathematics. Real life Applications of Derivatives.

**Professional Affiliation:** Mithila Institute of Technology (MIT), Janakpurdham. Rajarshi Janak Campus, Janakpurdham.

**Correspondence:** **Mailing Address:** Mirchaiya-4, Siraha, Nepal. **Phone number/Cell:** 9844220729. **E-mail:** sureshsahani54@gmail.com



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**818. Suresh Panthee (M; 1983; Gulmi, Nepal)**

**Category:** Biology.

**Current Affiliation:** Research Fellow, Teikyo University, Institute of Medical Mycology, Hachioji, Tokyo, Japan.

**Past Experiences:** Post-Doc, The University of Tokyo, Japan. Foreign Post-Doctoral Researcher, RIKEN, Japan. International Program Associate, RIKEN, Japan.

**Education:** PhD in Functional Biology from Tokyo Medical and Dental University, Japan in 2011. MPharm in Pharmaceutical Care from Kathmandu University, Nepal in 2008. BPharm in Pharmacy from Tribhuvan University, Nepal in 2005.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2012) by Government of Nepal. Hiratani Award (2019) by Teikyo University.

**Expertise:** Antibiotic Discovery. Molecular Biology and Genetic Engineering. Chemical Biology.

**Professional Affiliation:** American Society of Microbiology, USA. Graduate Pharmacists' Association, Nepal (GPAN). Nepal Pharmaceutical Association (NPA).

**Correspondence:** **Mailing Address:** Boharatar-16, Balaju, Kathmandu, Nepal. **Phone number/Cell:** 9847075903. **E-mail:** supanthee@gmail.com



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### 819. Suresh Thapa (M; 1980; Tanahu, Nepal)

**Category:** Gastroenterology.

**Current Affiliation:** Senior Consultant Physician/Gastroenterologist, Pokhara Academy of Health Sciences, Fewa City Hospital, Pokhara-10, Kaski, Nepal .

**Past Experiences:** Consultant Physician, Government of Nepal. Medical Officer-Government of Nepal.

**Education:** DM in Gastroenterology-Use of Non-Invasive Markers in Predicting Esophageal Varices from National Academy of Medical Sciences, Bir Hospital, Nepal in 2019. MD in Internal Medicine-Sensitivity and Specificity of Non-Invasive Tests in Diagnosis of *Helicobacter pylori* Infection Among Dyspeptic Patients from National Academy of Medical Sciences, Bir Hospital, Nepal in 2012. MBBS from Manipal College of Medical Sciences, Kathmandu University, Nepal in 2004.

**Expertise:** Internal Medicine. Gastroenterology. Hepatology.

**Professional Affiliation:** Pokhara Academy of Health Sciences, Western Regional Hospital, Pokhara. Fewa City Hospital Pvt Ltd, Pokhara.

**Correspondence:** **Mailing Address:** House No. 61, Ramghat, Pokhara-10, Nepal. **Phone number/Cell:** 9851155393. **E-mail:** suresh817@gmail.com

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### 820. Suroj Pokhrel (M; 1960; Gorkha, Nepal)

**Category:** Agro-Ecosystem. Entomology. Agriculture.

**Current Affiliation:** Former Secretary, Government of Nepal, House No. A5, Eketatole, Dhungedhara, Nagarjun-1, Kathmandu, Nepal.

**Past Experiences:** Secretary, Ministry of Land Management, Agriculture and Cooperative. Joint Secretary, Ministry of Agriculture Development. Director General, Department of Environment.

**Education:** PhD in Entomology-Behavior of Honeybee Species and Colony Management from IAAS, TU, Nepal in 2005. MSc in Agriculture-Feeding Management of Honeybee Colonies from IAAS, TU, Nepal in 2001. BSc in Agriculture from IAAS, TU, Nepal in 1981.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2006) by President of Nepal. Mahendra Vidhya Bhusan 'Kha' (2002) by King of Nepal. Daibiprakop Pidittodwar Padak (1988) by King of Nepal.

**Expertise:** Agro-Ecosystem. Agriculture. Apiculture. Entomology.

**Professional Affiliation:** Advisor, Federation of Nepal Beekeepers Association and Federation of Honey Production Cooperatives. Adjunct Professor (Entomology), AFU. Agro-Ecosystem Expert, FAO Nepal.

**Correspondence:** **Mailing Address:** House No. A5, Eketatole, Dhungedhara, Nagarjun-1, Kathmandu Nepal. **Phone number/Cell:** 9851045805. **E-mail:** surojpokhrel@yahoo.com

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**821. Surya Prasad Adhikari (M; 1974; Dhading, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Associate Professor, IOE, Pulchowk Campus, Lalitpur.

**Past Experiences:** Assistant Professor, IOE, Pashchimanchal Campus, Pokhara. Assistant Professor, IOE, Thapathali Campus, Kathmandu.

**Education:** PhD in Advanced Composite and Nanocomposite Materials from Chonbuk National University, Republic of Korea in 2017. ME in Tribology from Chonbuk National University, Republic of Korea in 2012. BE in Mechanical engineering from IOE, Pulchowk Campus, Nepal in 2000.

**Awards:** Vidhya Bhushan 'Ka' (2075) by Government of Nepal.

**Expertise:** Tribology. Nanocomposite Materials. Advanced Composite Materials.

**Professional Affiliation:** Nepal Engineering Council. Nepal Engineers Association. Society of Mechanical Engineers, Nepal.

**Correspondence:** **Mailing Address:** Department of Mechanical Engineering, Pulchowk Campus, IOE, TU, Lalitpur. **Phone number/Cell:** 9846023002. **E-mail:** spadhikari@pcampus.edu.np, surya@tcioe.edu.np



**822. Sushika Joshi (Mulmi) (F; 1964; Lalitpur, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Assistant Professor, Central Department of Chemistry, TU, Kirtipur.

**Past Experiences:** Teaching Assistant, Central Department of Chemistry, TU, Kirtipur. Lecturer, National College, Faculty of Science. Junior Research Assistant, Nepal Academy of Science and Technology.

**Education:** PhD in Investigation of Chemical Constituents in Medicinal Plants of Nepal from University of Agricultural Science, BOKU, Vienna, Austria in 1999. MSc in Organic Chemistry from Tribhuvan University, Nepal in 1992. BSc in Biology from Amrit Science College, Thamel, Nepal in 1986.

**Awards:** Mahendra Vidhya Bhushan 'Ka' (2000) by King Birendra. Gold Medal First Division in SLC (1979) by Minister of Education.

**Expertise:** Organic Chemistry. Natural Product Phytochemistry. Biological Investigation like Antioxidant, Antimicrobial, Brine Shrimp Assays.

**Professional Affiliation:** Life Member, Chemical Society of Nepal.

**Correspondence:** **Mailing Address:** House No 11, Cross-4, Jwagal, Lalitpur-10, Nepal. **Phone number/Cell:** 9841200600. **E-mail:** sushikajoshi@gmail.com



**823. Sushil Adhikari (M; 1976; Dang, Nepal)**

**Category:** Renewable Energy. Biofuels and Bioproducts.

**Current Affiliation:** Professor and Director, Auburn University, Auburn, AL 36849, USA.

**Past Experiences:** Interim Department Head, Auburn University. Associate Professor, Auburn University. Assistant Professor, Auburn University.

**Education:** PhD in Biological Engineering from Mississippi State University, United States in 2008. MSc in Energy Technology from Asian Institute of Technology, Thailand in 2003. BE in Mechanical Engineering from Tribhuvan University, Nepal in 2000.

**Awards:** New Holland Young Researcher Award (2013) by American Society of Agricultural and Biological Engineers.

**Expertise:** Biomass Gasification. Biomass Pyrolysis. Biomass Liquefaction.

**Professional Affiliation:** American Society of Agricultural and Biological Engineers (ASABE). American Institute of Chemical Engineers (AIChE). American Society of Engineering Education (ASEE).

**Correspondence:** **Mailing Address:** 350 Mell St, Auburn University, Auburn, AL 36849, USA. **Phone number/Cell:** +13348443543. **E-mail:** sza0016@auburn.edu



**824. Sushil Bhandari (M; 1984; Kaski, Nepal)**

- Category:** Medicine. Molecular Genetics. Molecular Biology.
- Current Affiliation:** Senior Research Scientist, Satvik Nepal, Department of Biodiversity and Bioresources, Dandakonak, Pokhara, Nepal.
- Past Experiences:** Research and Development Officer, Quest Pharmaceuticals Private Limited. Post-Doc, Wonkwang University, South Korea. Post-Doc, Kyung Hee University, South Korea.
- Education:** PhD in Medicine-The study of metabolic functions of a peroxisomal protein *in vivo* during early development using a zebrafish mutant from Wonkwang University, Republic of Korea in 2018. MSc in Medicine-Investigating the Role for Peroxisomal Nudt7 Using Zebrafish as a Model System from Wonkwang University, Republic of Korea in 2014. Bachelor of Pharmaceutical Sciences in Pharmacy-A Prospective Surveillance of Drug Prescribing and Dispensing in a Teaching Hospital in Western Nepal from Pokhara University, Nepal in 2008.
- Awards:** Best Poster Presentation Award (2013) by Korean Society for Molecular and Cellular Biology. KIST Best Research Award (2017) by Korean Society for Biochemistry and Molecular Biology.
- Expertise:** Basic assays and methods for working with DNA, RNA and Protein (Nucleic acid extraction from bacterial and animal cells, Protein extraction and analysis using Gel electrophoresis technique, Chromatin immunoprecipitation assays, RNA synthesis. Design of PCR primers and PCR of selected template DNAs to check the expression of genetic materials in cells and tissues samples, generate clonable fragments and specialized vectors for use in genome editing. Screening chemical compounds (natural and synthetic) using early fish embryos for toxicity testing and new drug discovery.
- Professional Affiliation:** Satvik Nepal, Dandakonak-27, Pokhara, Nepal.
- Correspondence:** **Mailing Address:** Department of Biodiversity and Bioresources, Satvik Nepal, Dandakonak-27, 33700, Pokhara, Nepal. **Phone number/Cell:** +9779864373998. **E-mail:** sushilbhandari8@gmail.com



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**825. Sushil Bahadur Bajracharya (M; 1967; Kathmandu, Nepal)**

**Category:** Architecture and Planning.

**Current Affiliation:** Assistant Dean & Professor, Institute of Engineering (IOE), Tribhuvan University, Deans Office, Pulchowk, Lalitpur, Nepal.

**Past Experiences:** Professor, Department of Architecture, IOE, TU. Program Coordinator, PhD and MSc MESSD Program, IOE, TU. Head of the Department, Department of Architecture, Thapathali Campus, IOE, TU.

**Education:** PhD in Architecture from Institute of Engineering (IOE), Tribhuvan University, Nepal in 2013. MSc in Architecture from Kiev State Technical University of Civil and Architecture, Ukraine in 1997. BSc in Architecture from Kiev State Technical University of Civil and Architecture, Ukraine in 1995.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2014) by Government of Nepal. Mahendra Vidhya Bhusan 'Kha' (1998) by Government of Nepal.

**Expertise:** Professor in Architecture and Planning. Professor in Sustainable Design. Sustainable Planning. Energy Efficiency in Building. Professor in Passive Building Design. Green Building and Planning.

**Professional Affiliation:** Institute of Engineering, TU. Society of Nepalese Architects (SONA). Nepal Engineers Association (NEA).

**Correspondence:** **Mailing Address:** Deans Office, A Block, Anand Niketan, Pulchowk, Lalitpur, Nepal. **Phone number/Cell:** 9851065308. **E-mail:** sushil\_bajracharya@hotmail.com



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**826. Sushil Panta (M; 1979; Kaski, Nepal)**

**Category:** Health Sciences.

**Current Affiliation:** Lecturer, Pokhara University, Lekhnath, Kaski, Nepal.

**Past Experiences:** Lecturer, Pokhara University.

**Education:** PhD in Medical Sciences (Inflammation and Angiogenesis) from Kagoshima University, Japan in 2017. Master of Pharmaceutical Sciences in Natural Products Chemistry from Pokhara University, Nepal in 2008. Bachelor of Pharmaceutical Sciences in *Plumeria rubra* Latex from Pokhara University, Nepal in 2005.

**Awards:** Certificate of Achievement (2017) by Kagoshima University. Distinguished Friend of Kagoshima (2017) by Kagoshima City Hall.

**Expertise:** Natural Products. Cell Signaling.

**Professional Affiliation:** Faculty of Health Sciences, School of Health and Allied Sciences, Pokhara University.

**Correspondence:** **Mailing Address:** House No. 36, Adarshamarga, Gairhapatan-4, Pokhara, Nepal. **Phone number/Cell:** 9846032882. **E-mail:** sushilmax@hotmail.com



**827. Sushil Paudyal (M; 1974; Dang, Nepal)**

**Category:** Botany. Ecology.

**Current Affiliation:** NAMI College, Jorpati, Kathmandu.

**Past Experiences:** Adjunct Assistant Professor, Virginia Wesleyan University, Virginia, USA. Adjunct Assistant Professor, Norfolk State University, Virginia, USA. Adjunct Assistant Professor, Tidewater Community College, Virginia, USA.



**Education:** PhD in Ecological Sciences-Plant Molecular Systematics from Old Dominion University, United States in 2015. MSc in Botany (Ethnobotany) from Tribhuvan University, Nepal in 2000. BSc in Biology from Tribhuvan University, Nepal in 1996.

**Awards:** Harvill Award (2014) by Virginia Academy of Sciences.

**Expertise:** Plant Molecular Systematics. Ethnobotany. Biogeography.

**Professional Affiliation:** Ethnobotanical Society of Nepal. Botanical Society of America. American Society of Plant Taxonomists.

**Correspondence:** **Mailing Address:** Bagdol-4, Lalitpur, Nepal. **Phone number/Cell:** 9863031555. **E-mail:** sushil303@gmail.com

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**828. Sushila Chatterjee Nepali (F; 1964; Kathmandu, Nepal)**

**Category:** Natural Resource Management. Community Based Conservation. Monitoring and Evaluation.

**Current Affiliation:** Consultant, Women Leading in Change for NRM, Tikhedewal-14, Lalitpur.

**Past Experiences:** Assistant Professor, Future Generations University, US. CEO, Bird Conservation Nepal. Senior Program Officer, WWF, Nepal.



**Education:** PhD in in Forestry-Perception of change and impact of conflict on local livelihoods in the buffer zone and Khata corridor, Bardia, Nepal, from Institute of Forestry, Pokhara, TU, Nepal in March 2012. MSc in MNRSA from University of Life Sciences, Norway in 1996. BSc in in Forestry from Institute of Forestry, Pokhara, TU, Nepal in 1991.

**Awards:** Aishwarya Scholarship (1987) by Government of Nepal. Women in Conservation (2002) by WWF, USA.

**Expertise:** Training and Teaching on Gender, Peace and Development, Resource Conflict Management, Human Wildlife Conflict Management, Protected Area Management. Policy and Research in the field of Monitoring and Evaluation, NRM, GESI and Climate Change, Input on GESI Related Biodiversity Policies, Social Development in the field of Food Sovereignty, Resource Based Community Development, Climate Change and Ecosystem Based Adaptation.

**Professional Affiliation:** Life Member, Forum of Natural Resource Managers (FONAREM) and WLCN. Life Member, Community of Evaluators Nepal (COE Nepal). Focal Person for Commission of Ecosystem Management Nepal, IUCN.

**Correspondence:** **Mailing Address:** House No. 255, Gyanjyoti Marg, Ringroad, Nepal. **Phone number/Cell:** 9851065265. **E-mail:** sushinep@gmail.com

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**829. Tanka Raj Adhikari (M; 1963; Kaski, Nepal)**

**Category:** Statistics.

**Current Affiliation:** Professor, Statistics, Prithvi Narayan Campus, Pokhara-1, Kaski, Nepal.

**Past Experiences:** Associate Professor, Statistics, PNC.

**Education:** PhD in Statistics-Survival Models and Data Analysis from DDU Gorakhpur University, Science, India in 2015. MSc in Statistics from Tribhuvan University, Nepal in 1991. BSc in Physics, Mathematics and Statistics from Tribhuvan University, Nepal in 1988.

**Awards:** Nepal Vidhya Bhusan 'Ka' (1916) by President of Nepal.

**Expertise:** Research and Teaching in Statistics for Bachelor and Master Degree Students. Social Work.

**Professional Affiliation:** Gupteshwor Mahadev Multiple Campus, Pokhara-17, Kaski.

**Correspondence:** **Mailing Address:** Chhorepatan, Pokhara-17, Kaski, Nepal. **Phone number/Cell:** 061461752/9856031107. **E-mail:** adhikaritanka123@gmail.com



**830. Taraman Kadayat (M; 1986; Kailali, Nepal)**

**Category:** Drug Discovery and Development.

**Current Affiliation:** Research Scientist, New Drug Development Center, DGMIF, 61041 Daegu Dong-gu, South Korea.

**Past Experiences:** Post-Doctoral Researcher, Yeungnam University College of Pharmacy. Pharmacology Instructor, Nepalgunj Medical College.

**Education:** PhD in Pharmacy-Synthesis of Anticancer and Anti-inflammatory Agents from Yeungnam University, College of Pharmacy, Republic of Korea in 2016. MSc in Pharmacy-Synthesis of Anticancer Agents from Yeungnam University College of Pharmacy, Republic of Korea in 2013. BPharmacy-Status of Complementary and Alternative Medicine in Western Nepal from Pokhara University School of Health and Allied Sciences, Nepal in 2009.

**Awards:** National Research Foundation Young Researcher Award (2018) by Ministry of Education South Korea. National Essay Competition (2015) by Ministry of Justice South Korea. Korean Government Scholarship Award (2013) by Ministry of Education, South Korea.

**Expertise:** New Drug Discovery and Development. Pharmaceutical and Health Education. Community Healthcare System.

**Professional Affiliation:** American Chemical Society, USA. The Pharmaceutical Society of Korea, South Korea. Nepal Pharmacy Council, Nepal.

**Correspondence:** **Mailing Address:** Gyeongbuk Gyeongsan Sampoongan-Gil 4-4 Dalmajhibil 203. **Phone number/Cell:** +821055035148. **E-mail:** kadayattaraman@gmail.com



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**831. Tarun Kant Jha (M; 1963; Dhanusa, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Assistant Professor, Prithvi Narayan Campus, Pokhara.

**Past Experiences:** Administrative Assistant, BJJD Project Bardibas under UNCDF.

**Education:** PhD in The Chemical Analysis of Drinking Water of the Different Sources and its Condition in Pokhara Submetropolitan City from Singhania University, Rajasthan, India in 2015. MSc in Chemistry from Central Department of TU, Kirtipur, Nepal in 1996. BSc in Chemistry, Physics and Biology from LNMU, Darvanga, India in 1992.

**Awards:** Letter of Appreciation (2013) by CIC International College, Pokhara. Samman Patra (2018 August) by Pradhyapak Sangh, PNC Pokhara. Nepal Vidhya Bhusan Padak (2018) by President, Nepal.

**Expertise:** Prevention of Drug Abuse.

**Professional Affiliation:** Professional Certificate from Cambridge University, Britain.

**Correspondence:** **Mailing Address:** Dr. T.K. Jha, Department of Chemistry, Prithvi Narayan Campus, Q No. 33, Pokhara, Nepal. **Phone number/Cell:** 521041/9805811555/9846024550. **E-mail:** tarunkantjha@gmail.com



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**832. Tej Kumar Shrestha (M; 1948; Baglung, Nepal)**

**Category:** Zoology.

**Current Affiliation:** Chairman, Himalayan Biome Research Institute Pvt Ltd, GPO Box 6133, Kathmandu, Nepal.

**Past Experiences:** Professor (1997-2011), Central Department of Zoology, Tribhuvan University. Head of Department (2002-2007), Central Department of Zoology, Tribhuvan University. Associate Member (1987-1990), Nepal Academy of Science and Technology.

**Education:** PhD in Seasonal Changes in Gonads of Two Fishes of Nepal from Tribhuvan University, Nepal in 1976. MSc in Zoology from Tribhuvan University, Nepal in 1969. BSc in Zoology, Botany, Chemistry from Tribhuvan University, Nepal in 1967.

**Awards:** Award for Distinguished Contribution in Zoology (2019) by Nepal Academy of Science and Technology. Third World Academy of Sciences (TWAS) Award (1988) by Third World Academy of Sciences, Trieste, Italy. Nepal Vidhya Bhusan 'Ka' (1981) by Government of Nepal.

**Expertise:** Fisheries. Wildlife. Environmental Impact Assessment.

**Professional Affiliation:** Linnean Society of London. British Ecological Society. Bombay Natural History Society.

**Correspondence:** **Mailing Address:** GPO Box 6133, Kathmandu, Nepal. **Phone number/Cell:** 014353842/9741287740. **E-mail:** tejkumarshrestha@yahoo.com



**833. Tej Narayan Poudel (M; 1981; Kaski, Nepal)**

**Category:** Chemistry. Chemical Engineering.

**Current Affiliation:** Post-Doctoral Associate, University of Minnesota, MN 55455, USA.

**Past Experiences:** Post-Doctoral Researcher, Florida International University, USA. Post-Doctoral Researcher, Yeungnam University, South Korea. PhD Scholar, Yeungnam University, South Korea.

**Education:** PhD in Synthetic Organic Chemistry from Yeungnam University, South Korea, in 2016. MSc in Organic Chemistry from Tribhuvan University, Nepal in 2004. BSc in Chemistry from Prithvi Narayan Campus, Pokhara, Nepal in 2002.

**Awards:** Yeungnam University Post-Doctoral Research Fellowship (2017) by Yeungnam University, South Korea. Clean Energy Priority Research Center Post-Doctoral Fellowship (2016) by Yeungnam University, South Korea. Brain Korea-21 PhD Degree Fellowship (2012) by Brain Korea-21 Program, South Korea.

**Expertise:** Carbohydrate Chemistry. Nano Chemistry. Natural Product Chemistry. Organic Synthesis.

**Professional Affiliation:** Active Reviewer, MPDI Publishing Groups. Active Reviewer, Royal Society of Chemistry Journals. Member, Nepal Chemical Society.

**Correspondence:** **Mailing Address:** 1021, 29th Ave SE, Minneapolis, MN 55414, USA. **Phone number/Cell:** +17864038361. **E-mail:** poudeltej@gmail.com



**834. Tej Narayan Bhusal (M; 1982; Nawalparasi, Nepal)**

**Category:** Agriculture.

**Current Affiliation:** Assistant Professor, AFU, Rampur, Chitwan.

**Past Experiences:** Assistant Professor, IAAS, TU.

**Education:** PhD in Genetics and Plant Breeding from Sam Higginbottom University of Agriculture Technology and Sciences, India in 2016. MSc in Agronomy from IAAS/TU, Nepal in 2008. BSc in Agriculture from IAAS/TU, Nepal in 2006.

**Awards:** Gold Medal (2000) by Bhimsen Namuna Ma Vi, Nawalparasi. Excellent Education Ward Award (2019) by Ward Office, Devchuli Municipality.

**Expertise:** Genetics. Plant Breeding. Crop Modelling.

**Professional Affiliation:** Life Member, Society of Biotechnology, India. Member, Society of Plant Breeder's and Seed Technologist, India.

**Correspondence:** **Mailing Address:** AFU, Rampur, Chitwan, Nepal. **Phone number/Cell:** 9845179237. **E-mail:** tnbhusal@afu.edu.np



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**835. Tej Narayan Mandal (M; 1954; Saptari, Nepal)**

- Category:** Botany. Plant Ecology.
- Current Affiliation:** Professor, Department of Botany, Post Graduate Campus, Biratnagar, Nepal.
- Past Experiences:** Lecturer in Botany, Tribhuvan University, Kathmandu, Nepal. Associate Professor of Botany, Tribhuvan University, Kathmandu, Nepal. Professor of Botany, Tribhuvan University, Kathmandu, Nepal.
- Education:** PhD in Ecological Analysis of Recovery of Landslide Damaged Sal Forest Ecosystem in Nepal Himalaya from Department of Botany, Banaras Hindu University, Varanasi, India in 1999. MSc in Botany from Department of Botany, Tribhuvan University, Kathmandu, Nepal in 1980. BSc in Botany, Zoology, Chemistry from Tri-Chandra Campus, Tribhuvan University, Kathmandu, Nepal in 1976.
- Awards:** Deergha Sewa Padak (Long Service Medal) (2012) by Tribhuvan University. Nepal Vidhya Bhusan 'Ka' (2016) by President of Nepal.
- Expertise:** Forest Ecology. Restoration Ecology. Soil Ecology.
- Professional Affiliation:** Department of Botany, Banaras Hindu University, Varanasi, India. School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, India. Department of Forestry, Mizoram University, Aizawal, Mizoram, India.
- Correspondence:** **Mailing Address:** Department of Botany, Post Graduate Campus, Biratnagar, Nepal. **Phone number/Cell:** 021435275/9842126654. **E-mail:** tnmandal@gmail.com



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**836. Tej Bahadur Thapa (M; 1964; Syangja, Nepal)**

- Category:** Zoology. Ecology.
- Current Affiliation:** Professor and Head, Central Department of Zoology, Tribhuvan University, Kirtipur.
- Past Experiences:** Professor, Central Department of Zoology, Tribhuvan University.
- Education:** PhD in Wildlife Science (Zoology) from Wildlife Institute of India, Saurashtra University, India in 2011. MSc in Zoology (Ecology) from Central Department of Zoology, Tribhuvan University, Nepal in 1993. BSc in Biology from Tribhuvan University, Nepal in 1989.
- Awards:** Earth Observation (2002) by UN/ESA.
- Expertise:** Wildlife Science. Ecology. Zoology.
- Professional Affiliation:** Central Department of Zoology, Tribhuvan University.
- Correspondence:** **Mailing Address:** Central Department of Zoology, Tribhuvan University, Kathmandu, Nepal. **Phone number/Cell:** 9851181862. **E-mail:** tej.thapa@gmail.com



**837. Tek Bahadur Gurung (M; 1960; Syangja, Nepal)**

**Category:** Agriculture. Aquaculture. Fisheries.

**Current Affiliation:** Executive Director/Principle Scientist, Nepal Agricultural Research Council, Singh Darbar Plaza, Kathmandu, Nepal.

**Past Experiences:** Director/Livestock and Fisheries, Nepal Agricultural Research Council. Director, National Animal Science Research Institute. Chief, Fisheries Research Division.

**Education:** DSc in Dynamics of Heterotrophic Bacteria in Lake Biwa, Japan from Kyoto University, Japan in 1997-2000. MSc in Regulation of light and Nutrients on The Relationship Between Heterotrophic Bacteria and Phytoplankton *Scenedesmus acutus* from Kyoto University, Japan in 1995-97. BSc in Botany, Zoology, Chemistry from Gorakhpur University, India in 1979.

**Awards:** Nabil Award (2019) by Nepal Academy of Science and Technology. Ibaraki Kasumigaura International Award (2005) by International Lake Environment Committee Foundation (ILEC). Best Scientist Award (2013) by Nepal Agricultural Research Council.

**Expertise:** Aquaculture and Fisheries especially Cold Water Aquaculture. General Livestock. General Agriculture.

**Professional Affiliation:** Nepal Fisheries Society (NEFIS), Kathmandu, Nepal. Nepal Animal Science Association (NASA), Kathmandu, Nepal. Society of Agricultural Sciences (SAS), Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Singh Darbar Plaza, Ram Shah Path, Kathmandu, Nepal. **Phone number/Cell:** 9851184735. **E-mail:** tek\_fisheries@hotmail.com



**838. Tek Jung Mahat (M; 1978; Jumla, Nepal)**

**Category:** Environmental Science.

**Current Affiliation:** Visiting Foreign Research Scholar, Masaryk University, Žerotínovo nám. Czechia.

**Past Experiences:** Climate Change Knowledge Management Specialist (TA), Building Climate Resilience of Watersheds in Mountain Eco-Regions (BCRWME), Government of Nepal, Asian Development Bank. Project Manager (Node Manager), APMN and APAN, International Centre for Integrated Mountain Development (ICIMOD). Lecturer (Ecology, Environmental Economics and Environmental Education), Tribhuvan University, and HSEB.



**Education:** PhD in Environmental Health Science-Changing Climate Change Landscape in Nepal-A Review of Climate Change Institutions, Adaptation Planning and Associated Finance in Nepal from Masaryk University, Research Centre for Toxic Compounds in the Environment (RECETOX), Czech Republic in 2019. MSc in Environmental Science/Economic valuation of environmental resources: A case study of the Central Zoo of Nepal from Central Department of Environmental Science (CDES), Tribhuvan University, Nepal in 2005. BSc in Environmental Science from Tri-Chandra College, Tribhuvan University, Nepal in 2001.

**Awards:** Emerging Scholar Award (2019) by Common Ground Research Networks, University of Illinois Research Park, Champaign, IL. Erasmus Mundus PhD Scholarship (2014) by European Union's Erasmus Mundus Programme. German Academic Exchange Service (DAAD) Scholarship (2014) by German Academic Exchange Service (DAAD).

**Expertise:** Environment, Climate Change, and Sustainable Development-System and Services, Research and Advocacy, Networking, Communications and Knowledge Management, Programme Development and Management in South Asia and beyond.

**Professional Affiliation:** Expert Member, the Nepal Forum for Environmental Journalists (NEFEJ), Nepal. Member, the International Environmental Communication Association (IECA). Nepal Environmentalists Association.

**Correspondence:** **Mailing Address:** Žerotínovo nám. 617/9, 601 77 Brno, Czechia. **Phone number/Cell:**+420776428858. **E-mail:** tmahat@gmail.com

**839. Tek Prasad Adhikari (M; 1986; Ilam, Nepal)**

- Category:** Physics. Astronomy. Astrophysics. High Energy Physics. Space Science.
- Current Affiliation:** Post-Doctoral Scientist, Inter-University Center for Astronomy and Astrophysics (IUCAA), Pune, India, 13 Takshashila, IUCAA, SP University Campus, Pune 411007, India.
- Past Experiences:** Post-Doctoral Fellow, Nicolaus Copernicus Astronomical Center of the Polish Academy of Sciences (NCAC PAS), Warsaw, Poland. PhD Scholar, Nicolaus Copernicus Astronomical Center of the Polish Academy of Sciences (NCAC PAS), Warsaw, Poland. Research Assistant (STRONGGRAVITY EU FP7 Space Research Project), Nicolaus Copernicus Astronomical Center of the Polish Academy of Sciences (NCAC PAS), Warsaw, Poland.
- Education:** PhD in Astrophysics-Supermassive Black Holes-Active Galaxies from Nicolaus Copernicus Astronomical Center of the Polish Academy of Sciences (NCAC PAS), Warsaw, Poland in 2018. MSc in Physics (Astrophysics) from Central Department of Physics, Tribhuvan University, Kirtipur, Nepal in 2011. BSc in Physics from Mechi Multiple Campus, Tribhuvan University, Jhapa, Nepal in 2007.
- Awards:** Springer Nature Thesis Award 2019 (2019) by Springer Nature Switzerland AG, Switzerland. Nepal Vidhya Bhusan 'Ka' (2018) by President of Nepal. Young Scientist Award 2016 (2016) by Nicolaus Copernicus Astronomical Center of the Polish Academy of Sciences.
- Expertise:** Active Galaxies and Environment of Super Massive Black Holes. High Energy Astrophysics. Space Science and Physics.
- Professional Affiliation:** Inter-University Center for Astronomy and Astrophysics (IUCAA), Pune, India. Nicolaus Copernicus Astronomical Center of the Polish Academy of Sciences, Warsaw, Poland.
- Correspondence:** **Mailing Address:** 13, Takshashila, IUCAA, SP Pune University Campus, Pune 411007, India. **Phone number/Cell:** 9145797295. **E-mail:** platonictp@gmail.com



**840. Tek Prasad Gotame (M; 1973; Gorkha, Nepal)**

**Category:** Agriculture.

**Current Affiliation:** Senior Scientist, Nepal Agricultural Research Council, Horticulture Research Division, Khumaltar, Lalitpur.

**Past Experiences:** Post-Doc, North Carolina State University. Senior Scientist, Nepal Agricultural Research Council. Scientist, Nepal Agricultural Research Council.

**Education:** PhD in Understanding The Effects of Temperature on Raspberry Physiology and Gene Expression Profiles from Aarhus University, Denmark in 2014. MSc in Horticulture from Technical University of Munich, Germany in 2010. BSc in Agriculture from Tribhuvan University, Nepal in 1999.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2016) by MoE by First President of Nepal. Crawford Fund Fellowship Award (2006) by Crawford Fund Foundation, Australia. Visiting Research Scholar (2019) by Fulbright Commission.

**Expertise:** Stress Physiology of Horticulture Crops. Horticulture Science. Post Harvest Horticulture.

**Professional Affiliation:** Life Member, Society of Agricultural Scientist (SAS). Life Member, Nepalese Horticulture Society (NHS). Association of Nepalese Agricultural Professionals of Americas (NAPA).

**Correspondence:** **Mailing Address:** Horticulture Research Division, Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** 9843576329. **E-mail:** tpgotame123@hotmail.com



**841. Tek Raj Gyawali (M; 1962; Gulmi, Nepal)**

- Category:** Civil Engineering. Engineering Materials, Concrete, Quality Control in Construction and Structures.
- Current Affiliation:** Professor, School of Engineering, Faculty of Science and Technology, Pokhara University, Dhungepatan, Pokhara, Nepal.
- Past Experiences:** Research Manager, Maeda Corporation, Tokyo, Japan (19 years). Professor, Khwopa Engineering College (1.5 years). Professor cum Vice-Principal, Nepal Engineering College.
- Education:** PhD in Civil Engineering from The University of Tokyo, Japan in 1999. MSc in Civil Engineering from The University of Tokyo, Japan in 1993. BSc in Structural Engineering (Civil) from Tongji University, Shanghai, China in 1989.
- Awards:** Mahendra Vidhya Bhusan 'Ka' (2001) by Late King Birendra. MONBUSHO Scholarship (1991) by Japanese Government. Chinese Government Scholarship (1984) by Chinese Government.
- Expertise:** Development of New Engineering Materials (Different Types of Concrete, Composites, Admixtures). Quality Control (QC) and Total Quality Management (TQM) in Construction. Guidance of Thesis/Dissertation Work for MSc/PhD Students. Ranging from Materials, Processing, Formation of Structures to The Durability Aspect.
- Professional Affiliation:** Research Engineer at Maeda Corporation, Tokyo, Japan (Permanent: 12 years, Manager, Contract: 7 years, Country Representative). Professor, Khwopa Engineering College and Nepal Engineering College. Professor at School of Engineering, Faculty of Science and Technology, Pokhara University.
- Correspondence:** **Mailing Address:** Pokhara University, Dhungepatan, Pokhara-30, Nepal. **Phone number/Cell:** 9851089999. **E-mail:** tekrg@pu.edu.np



**842. Thakur Silwal (M; 1969; Dhading, Nepal)**

- Category:** Wildlife and Protected Area Management.
- Current Affiliation:** Associate Professor, Institute of Forestry, Tribhuvan University, Pokhara, Nepal.
- Past Experiences:** Buffer Zone Development Officer (Level NPPP-1/IV), UNOPS/ UN Development Program-Nepal.
- Education:** PhD in Human-Wildlife Conflict-Analysis of factors involved in wildlife attacks on humans in and around Chitwan National Park, Nepal from Masaryk University, Faculty of Science, Czech Republic in 2016. MSc in Rural livelihoods in the buffer zone, case study from Bardia National Park, Nepal from Institute of Forestry, Tribhuvan University, Pokhara, Nepal in 2003. BSc in Role of non-timber forest products in rural livelihoods, A case study from Salang VDC, Dhading from Institute of Forestry, Tribhuvan University, Pokhara, Nepal in 1995.
- Awards:** International Students' Talented Scholarship (2016) by Masaryk University, Czech Republic. Russell E. Train Fellowship for Current and Aspiring Faculty (2015) by World Wildlife Fund, United States of America. PhD Scholarship (2012) by European Union/ Erasmus Mundus.
- Expertise:** Protected Area Management. Human-Wildlife Conflict Management. Integrated Conservation and Rural Livelihoods.
- Professional Affiliation:** Institute of Forestry, Tribhuvan University, Pokhara. Nepal Foresters' Association. Green Governance Nepal.
- Correspondence:** **Mailing Address:** Institute of Forestry, Tribhuvan University, Hariyo Kharka, Pokhara-15, Nepal. **Phone number/Cell:** 9846059909. **E-mail:** tsilwal@iofpc.edu.np



**843. Til Chandra Bhattarai (M; 1961; Chitwan, Nepal)**

- Category:** Agriculture.
- Current Affiliation:** Managing Director, Pancharatna Group of Poultry Industries, Belchowk, Narayangarh, Chitwan.
- Past Experiences:** District Veterinary Officer, Department of Livestock Services, Government of Nepal. Assistant Professor, IAAS, TU, Rampur. MD, Pancharatna Group.
- Education:** PhD in Commercial production and distribution Management from Gifu University, Japan in 2002. MSc in Economic analysis of production and distribution cost from Gifu University, Japan, Japan in 1998. BVSc&AH in Veterinary science from Gujarat Agriculture University, India in 1988.
- Awards:** Sewa Padak (1997) by King Birendra Bir Bikram Shahdev, HMG Nepal. Mahendra Vidhya Bhusan 'Ka' (2003) by King Gyanendra Bir Bikram Shahdev 2003. Rastriya Nagarik Samman (2015) by Nagarik Samaj, Kathmandu.
- Expertise:** Agriculture Planning. Cost Analysis in Production and Distribution. Agribusiness management.
- Professional Affiliation:** Nepal Veterinary Association, Tripureshwor, Kathmandu. Federation of Nepalese Chambers of Commerce and Industries, Kathmandu. Nepal Feed Industries Association, Kathmandu.
- Correspondence:** **Mailing Address:** Nabaratna Tole, Munal Chowk, Bharatpur-12, Chitwan, Nepal. **Phone number/Cell:** 9855055157. **E-mail:** tilchandradr@gmail.com



**844. Tirth Raj Ghimire (M; 1979; Chitwan, Nepal)**

- Category:** Zoology. Immunology. Parasitology.
- Current Affiliation:** Scientific Officer, Nepal Academy of Science and Technology (NAST), Khumaltar, Lalitpur, Nepal.
- Past Experiences:** Visiting Scientist, University of Glasgow, UK.  
Chief Executive Officer, Global Primate Network, Kathmandu, Nepal. Lecturer, Birendra Multiple Campus, Tribhuvan University, Bharatpur, Chitwan, Nepal. Lecturer, Bagmati Modern College, Kathmandu, Nepal. Lecturer, Saipal Academy, Kathmandu, Nepal. Lecturer, Brihaspati Vidya Sadan, Kathmandu, Nepal. Science Teacher, Gorakhnath Secondary School, Kathmandu, Nepal.
- Education:** PhD in Immunology-Vaccine Adjuvants from University of Strathclyde Glasgow, United Kingdom in 2012. MSc in Zoology (Parasitology)-*Cyclospora cayetanensis* in HIV and Non-HIV People from Central Department of Zoology, Tribhuvan University, Kirtipur, Kathmandu, Nepal in 2004. BSc in Zoology from Birendra Multiple Campus, Bharatpur, Chitwan, Nepal in 2001.
- Awards:** Gold Medal with Nepal Vidhya Bhusan 'Ka' (2014) from Dr. Ram Baran Yadav, the President of Nepal by the Government of Nepal. Gold Medal with Mahendra Vidhya Bhusan 'Kha' (2006) from the King Gyanendra Bir Bikram Shahadev by the Government of Nepal. Overseas Research Students Awards Scheme (ORSAS) (2008-2012) by the Government of UK. Research Scholarship (2008-2012) by the University of Strathclyde, Scotland. Thesis Grant (2002) by Nepal Academy of Science and Technology (NAST), Nepal.
- Expertise:** Immunology. T cell and B cell. Antigen Presenting Cells. Vaccine. Parasitology. Protozoa. Helminths. Arthropods. FACS. ELISA. Confocal Imaging. Microscopy. Immunocytochemistry. *In vitro* and *In vivo* Experiments. *E. coli* Cloning, Protein Expression and Extraction. Mouse Modelling in Infectious Disease Research.
- Professional Affiliation:** British Society for Immunology, London, England. British Science Association, London, England. International Society for Infectious Diseases, MA, USA. American Society for Microbiology, NW, USA. Microbiology Society, London, UK. International Society for Environmental Information Sciences, Canada.
- Correspondence:** **Mailing Address:** Nepal Academy of Science and Technology (NAST), Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** 9869288877. **E-mail:** tirthprimate@gmail.com



**845. Tirtha Raj Adhikari (M; 1959; Tanahu, Nepal)**

**Category:** Hydro-Meteorology.

**Current Affiliation:** Associate Professor, Central Department of Hydrology and Meteorology, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Associate Professor, Central Department of Hydrology and Meteorology, Tribhuvan University. Lecturer, Central Department of Hydrology and Meteorology, Tribhuvan University. Teaching Assistant, Central Department of Hydrology and Meteorology, Tribhuvan University.

**Education:** PhD in Hydrology and Meteorology-Impact of Climate Change on Flow Regime in Himalayan Basins, Nepal from Tribhuvan University, Nepal in 2015. MSc in Meteorology from Tribhuvan University, Nepal in 1992. Post Graduate in Surface Water Hydrology from Indian Institute of Technology (IIT Roorkee), India in 2003.

**Awards:** Gold Medal (2016) by President of Nepal.

**Expertise:** Climate Change with Hydrological Modeling. Surface Water Hydrology. Flood Modeling. Meteorology.

**Professional Affiliation:** Life Member (Membership No. 0126), Society of Hydrologist and Meteorologist (SOHAM) Nepal.

**Correspondence:** **Mailing Address:** Central Department of Hydrology and Meteorology, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** 014372472/9851144587. **E-mail:** tirtha43@gmail.com



## 846. Tista Prasai Joshi (F; 1976, Kathmandu, Nepal)



- Category:** Environmental Engineering and Microbiology.
- Current Affiliation:** Scientist, Nepal Academy of Science and Technology, (NAST), Khumaltar, Lalitpur, Nepal.
- Past Experiences:** Visiting Faculty of Microbiology (2003-2005), Tri-Chandra Multiple Campus, Kathmandu, Nepal. Visiting Faculty of Environment Science (2003-2010), Padma-Kanya Multiple Campus, Kathmandu, Nepal. Visiting Faculty of Environment Science (2005-2006), Khowpa College, Bhaktapur, Nepal. Visiting Faculty of Environment Science (2007-2012), College of Applied Sciences, Kathmandu, Nepal. Junior Research Assistant (2003-2004), Nepal Academy of Science and Technology and Scientist (2004-till date), Nepal Academy of Science and Technology.
- Education:** PhD (Environmental Engineering)-Efficiency and mechanisms of iron and manganese-based adsorbents for the removal of aromatic organoarsenic compounds from University of Chinese Academy of Sciences, Research Centre for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing, China in 2017. MSc (Environmental Microbiology)-Drinking water quality assessment of Kathmandu valley and antibacterial property of medicinal plants against enteric bacteria isolated from water from Central Department of Microbiology, Tribhuvan University, Kirtipur, Nepal in 2001. MA (Anthropology)-Socioeconomics aspects of Biogas: A case study of Chapagaon, Lalitpur, Nepal from Tri-Chandra College, Tribhuvan University, Nepal in 2005. BSc in Microbiology, Zoology and Chemistry from Tri-Chandra College, Tribhuvan University, Nepal in 1999.
- Awards:** The 2019 OWSD-Elsevier Foundation Award in Agriculture, Biology and Medicine for Early Career Women Scientist in the Developing World from Asia Pacific Region by Organization for Women in Science for the Developing World (OWSD)-Elsevier Foundation Award. UNESCO-OWSD Early Career Fellowship (2019) by OWSD. Excellent International Student Award (2017) from University of Chinese Academy of Sciences (UCAS). Nepal Vidhya Bhusan 'Ka' by Government of Nepal (2017).
- Expertise:** Research, Development and Service on Water Quality and Adsorbent Based Water Purification Technology. Microbiology and Environmental Engineering Aspects of Water Quality and Treatment. Environmental Management.
- Professional Affiliations:** Founder Member, Women Scientist Forum, Nepal Academy of Science and Technology. Full Member, Organization for Women in Science for the Developing World (OWSD). Life Member, Women in Science and Technology (WIST), Nepal. Life Member, Nepalese Society for Microbiology (NESOM), Nepal.
- Correspondence:** **Mailing Address:** Nepal Academy of Science and Technology (NAST), Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** 977-5547715/977-9841353801. **E-mail:** tistaprasai@gmail.com, tista.prasai@nast.gov.np

**847. Tribhuvan Sharma (M; 1967; Kaski, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Associate Professor, HOD, Prithvi Narayan Campus (TU), Pokhara, Nepal.

**Past Experiences:** Clark, Nepal Rastra Bank. School Teacher, Tal Barahi Ma Vi President, Maths Council Kaski.

**Education:** PhD in Mathematics-Algebra from LN Mithila University, India in 2018. MA in Mathematics from PN Campus, TU, Nepal in 1993. BA in Mathematics and Economics from PN Campus, TU, Nepal in 1991.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2019) by President of Nepal. Rastriya Sikshya Padak (2008) by Ministry of Education Nepal. Rastriya Jyoti Samman (2006) by Rastriya Sarokar Aviyan.

**Expertise:** Teaching Algebra for Every Level Student. Academic Management. Currently Working as a Head of Department Training.

**Professional Affiliation:** PN Campus, TU. Founder, Motherland Secondary School, Pokhara. Vice-President, Nepal Mathematics Society, Gandaki Province, Nepal.

**Correspondence:** **Mailing Address:** House No. 20, Smriti Marga, Malepatan, Pokhara-5, Nepal. **Phone number/Cell:** 9856020956. **E-mail:** tribhuvansharma6@hotmail.com



**848. Tribikram Bhattarai (M; 1956; Kathmandu, Nepal)**

**Category:** Biotechnology.

**Past Experiences:** Professor, Tribhuvan University.

**Education:** DSc in Biology from University of Hohenheim, Germany in 1992. MSc in Botany from Tribhuvan University, Nepal in 1979. BSc in Botany from Tribhuvan University, Nepal in 1975.

**Awards:** Nepal Vidhya Bhusan 'Ka' (1992) by Government of Nepal.

**Expertise:** Biological Nitrogen Fixation. Molecular Biology of Plant Stress. Bioethanol from Biomass.

**Professional Affiliation:** Tribhuvan University. University of Hohenheim. University of Bayreuth.

**Correspondence:** **Mailing Address:** GPO Box 20796, Kathmandu, Nepal. **Phone number/Cell:** 014494354/9860187141. **E-mail:** tribikrambhattarai@gmail.com



**849. Tulasi Prasad Niraula (M; 1967; Taplejung, Nepal)**

**Category:** Chemistry.

**Current Affiliation:** Associate Professor, Mahendra Morang Campus (TU), Biratnagar, Morang.

**Past Experiences:** Associate Professor, Mahendra Morang Campus, TU, Biratnagar. Lecturer, Mahendra Morang Campus, TU, Biratnagar. Lecturer, Central Campus of Technology, TU, Dharan.

**Education:** PhD in Studies on The Behaviour of Anionic Surfactant in Absence and Presence of Monovalent Salts in Methanol-Water Mixed Solvent Media from Central Department of Chemistry, TU, Kirtipur, Nepal in 2018. MSc in Chemistry from TU, Nepal in 1994. BSc in Biology Group from TU, Nepal in 1990.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2019) by Ministry of Education, Science and Technology, Nepal. Best Poster Award (2011) by International Conference on Advanced Materials and Nanotechnology. Awarded for Article Published in International Journal (2019) by NAST.

**Expertise:** Surface Chemistry.

**Professional Affiliation:** Life Member, Nepal Chemical Society, Central Department of Chemistry, Kirtipur.

**Correspondence:** **Mailing Address:** Department of Chemistry, Mahendra Morang Campus, Biratnagar, Morang, Nepal. **Phone number/Cell:** 9842050465. **E-mail:** tulasi.niraula@yahoo.com, tulasi.niraula2002@gmail.com



**850. Tulsi Ram Subedi (M; 1979; Arghakhanchi, Nepal)**

**Category:** Zoology.

**Current Affiliation:** Director of Programs, Himalayan Nature, Trishakti Marg- 91, PO Box 10918, Lazimpat, Kathmandu.

**Past Experiences:** Field Biologist, Bird Conservation Nepal. Field Ecologist, Red Panda Network. Senior Program Officer, Himalayan Nature.

**Education:** PhD in Population Status of Bearded Vulture (*Gypaetus barbatus*) in the Annapurna Himalaya Range, Nepal from Universiti Sains Malaysia, Malaysia in 2018. MSc in Distribution and Diversity of Diurnal Raptorial Birds in Shivapuri National Park and its Adjoining Areas from Central Department of Zoology, Tribhuvan University, Nepal in 2004. BSc in Zoology from Birendra Multiple Campus, Tribhuvan University, Nepal in 2001.

**Awards:** TWAS-USM Post Graduate Fellowship (2015) by The World Academy of Science and Technology and Universiti Science Malaysia.

**Expertise:** Conservation. Research on Biodiversity. Birds. Mammals. Distribution Modelling. Climate Envelope Modelling. Appropriate Research Design for The Study of Biodiversity. Satellite Transmitter Study on Wildlife.

**Professional Affiliation:** Acopian Centre for Conservation Learning, Hawk Mountain Sanctuary, 1700 Hawk Mountain Rd. Kempton, PA 19529, USA. Red Panda Network-Asia Division, Baluwatar, Kathmandu, Nepal. Bird Conservation Nepal, Lazimpat, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** PO Box 10918, Trishakti Marg-91, 44600 Lazimpat, Kathmandu, Nepal. **Phone number/Cell:** +97714423225. **E-mail:** tulsi.biologist@gmail.com



**851. Tulsi Ram Bhandari (M; 1972; Achham, Nepal)**

**Category:** Public Health.

**Current Affiliation:** Associate Professor, Faculty of Health Science, Pokhara University, Pokhara-30, Kaski, Nepal.

**Past Experiences:** Assistant Professor, Pokhara University. Assistant Professor, Tribhuvan University. Public Health Inspector, Ministry of Health, Government of Nepal.

**Education:** PhD in Women's Autonomy and Utilization of Maternal Health Care Services in Nepal from Sree Chitra Tirunal Institute for Medical Sciences and Technology, Kerala, India in 2016. MPH in Needle Pricking Injuries and Awareness Among Health Workers in Tertiary Level Hospitals in Kathmandu from Sam Higginbottom University of Agriculture, Technology and Sciences, India in 2007. Bachelor in Behavioural Sciences in Professional Competencies Among Secondary Health Population and Environment Teachers in Kathmandu District from Tribhuvan University, Nepal in 2005.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2017) by Government of Nepal. DAAD Scholarship (2014) by German Government. PhD Fellowship (2012) by UGC Nepal.

**Expertise:** Health Promotion. Health System Research. Program Design and Evaluation. Research Tools. Scale Development. Scientific Writing.

**Professional Affiliation:** Faculty of Health Sciences, Pokhara University, Pokhara-30, Nepal.

**Correspondence:** **Mailing Address:** Faculty of Health Science, Pokhara University, Pokhara 30, Kaski, Nepal. **Phone number/Cell:** 9851240961. **E-mail:** tulsib2004@gmail.com



U

**852. Ujjal Tiwari (M; 1976; Nawalparasi, Nepal)**

**Category:** Agricultural Economics.

**Current Affiliation:** Assistant Professor, Agriculture and Forestry University (AFU), Rampur, Chitwan.

**Past Experiences:** Planning Director, Forum for Rural Welfare and Agricultural Reform for Development (FORWARD) Nepal, Chitwan. Program Coordinator, Forum for Rural Welfare and Agricultural Reform for Development (FORWARD) Nepal, Chitwan. Research Assistant, The World Bank, Development Research Group (Environment and Energy), Washington, DC, USA.

**Education:** PhD in Agricultural Economics from Institute of Farm and Agribusiness Management, Justus-Liebig University (JLU), Germany in 2014. MSc in Agriculture-Consumer and Market, Business Economics from Business Economics Group, Wageningen University (WUR), Netherlands in 2008. BSc in Agriculture (Agricultural Economics) from Institute of Agriculture and Animal Science (IAAS), Tribhuvan University, Nepal in 2002.

**Awards:** Returning Expert (January 2015 to December 2016) by Centre for International Migration and Development (CIM), Germany. German Academic Exchange Service (DAAD) Scholarship for PhD Study in Germany (2010-2014) by DAAD, Germany. Netherlands Fellowship Programme (NFP)/Nuffic for MSc Study in the Netherlands (2006-2008) by NFP, Netherlands.

**Expertise:** Socio-Economic Research. Climate Change. Project Planning and Management.

**Professional Affiliation:** Department of Agricultural Economics and Agribusiness Management. Agriculture and Forestry University (AFU), Rampur, Chitwan, Nepal.

**Correspondence:** **Mailing Address:** Department of Agricultural Economics and Agribusiness Management, Agriculture and Forestry University (AFU), Rampur, Chitwan, Nepal. **Phone number/Cell:** +9779855083475. **E-mail:** utiwari@afu.edu.np, ujjaltiwari@gmail.com



**853. Ujjawal Kumar Singh Kushwaha (M; 1985; Sarlahi, Nepal)**

**Category:** Agriculture Science.

**Current Affiliation:** Technical Officer, National Plant Breeding & Genetics Research Centre, Khumaltar, Lalitpur, Nepal. Agricultural Research Council, Khumaltar, Lalitpur, Nepal.

**Past Experiences:** Editor in Chief, The Journal Field Crop, Biopublisher Canada. Independent Contractor, Western Michigan University. Team Leader and Survey Enumerator, National IPM Program, FAO.

**Education:** PhD in Genetics and Plant Breeding from GB Pant University of Agriculture and Technology, Pantnagar, Uttarakhand, India in 2019. MSc in Plant Breeding from Tribhuvan University, Nepal in 2013. BSc in Agriculture from Tribhuvan University, Nepal in 2010.

**Awards:** eLIFE Ambassador (2018) by eLife Science Publication, UK. Silver Jubilee Scholarship Award (2016) by Embassy of India, Kathmandu. Young Scientist Award (2010) by Alltech, USA.

**Expertise:** Quantitative Genetics. Rice Breeding. Black Rice.

**Professional Affiliation:** Nepal Agricultural Research Council. World Association of Young Scientists. Asian Council of Science Editors. Volunteer Ambassador, New York Academy of Science, USA.

**Correspondence:** **Mailing Address:** National Plant Breeding & Genetics Research Centre, Khumaltar, Lalitpur, Nepal. **Phone number/Cell:** 015521614/9844033976. **E-mail:** kushujawal@gmail.com



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**854. Um Kanta Aryal (M; 1987; Gulmi, Nepal)**

**Category:** Device Physics. OPV and Perovskite Solar Cells.

**Current Affiliation:** Post-Doctorate Researcher, University of Southern Denmark, Sonderborg 6400, Denmark.

**Past Experiences:** Full time PhD Researcher, Pusan National University.

**Education:** PhD in Organic Solar Cells Performance by Fabrication, Device Physics and Engineering from Pusan National University, Republic of Korea in 2019. MSc in Physics from Tribhuvan University, Nepal in 2013. BSc in Physics from Tribhuvan University, Nepal in 2009.

**Awards:** PhD (2019) by Pusan National University.

**Expertise:** Device Fabrication and Characterization of Solar Cells. Optical, Electrical and Carrier Transport Study for Solar Cells. Surface Morphological Study for Thin Films of Solar Cells.

**Professional Affiliation:** Post-Doctorate Researcher, University of Southern Denmark, Sonderborg, Denmark.

**Correspondence:** **Mailing Address:** SDU, Sonderborg 6400, Denmark. **Phone number/Cell:** +4571699770. **E-mail:** aryal.quantal@gmail.com



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**855. Umesh Kumar Acharya (M; 1978; Lalitpur, Nepal)**

**Category:** Horticulture. Citriculture.  
**Current Affiliation:** Senior Scientist, National Citrus Research Program, Dhankuta, Nepal.  
**Past Experiences:** Scientist, Nepal Agricultural Research Council.  
**Education:** PhD in Extending use of Near Infrared Technology in Fruit Quality and Maturation from Central Queensland University, Australia in 2015. MSc in Use of PGR on Early Okra Production in Central Terai of Nepal from Tribhuvan University, Nepal in 2004. BSc in Plant Breeding from Institute of Agriculture and Animal Sciences, Nepal in 2001.  
**Awards:** Australia Award Scholarship (2011) by Australian Government.  
**Expertise:** Post Harvest Horticulture. Near Infra-Red Spectroscopy. R Programming Language.  
**Professional Affiliation:** Nepal Agricultural Research Council, Singhdurbar Plaza, Kathmandu, Nepal. Nepal Horticulture Society, Khumaltar, Lalitpur.  
**Correspondence:** **Mailing Address:** National Citrus Research Program, Paripatle, Dhankuta, Nepal. **Phone number/Cell:** +9779851174457. **E-mail:** umeshach@gmail.com



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**856. Umesh Neupane (M; 1984; Nawalparasi, Nepal)**

**Category:** Chemistry.  
**Current Affiliation:** Teaching Assistant, Butwal Multiple Campus, Tribhuvan University, Butwal, Nepal.  
**Past Experiences:** Lecturer, National Institute of Science and Technology (NIST).  
**Education:** PhD in Solid-State Synthesis and Physicochemical and Optical Characterization of Binary Organic Crystalline Materials from Banaras Hindu University, India in 2018. MSc in Physical Chemistry from Tribhuvan University, Nepal in 2010. BSc in Chemistry from Tribhuvan University, Nepal in 2006.  
**Awards:** Scientific Research and Publication Award (2019) by Ministry of Industry, Tourism, Forest and Environment. Best Poster Presentation Award (2016) by NSAAMB-2016.  
**Expertise:** Expertised on Spectroscopic Techniques (NMR, FT-IR, UV-visible). X-Ray Crystallography. Crystal Engineering. Crystal Growth. Handling and Data Analysis. Thermogravimetry. Differential Scanning Calorimetry. Differential Thermal Analysis. Spectrophotometer. HPLC.  
**Professional Affiliation:** Department of Chemistry, Butwal Multiple Campus, Tribhuvan University, Rupandehi, Nepal. Bachelor of Pharmacy, Crimson College of Technology, Pokhara University, Rupandehi, Nepal. Kanti Secondary School, Nepal Education Board, Hatbazaar, Rupandehi, Nepal.  
**Correspondence:** **Mailing Address:** Bardaghat-13, Dhanewa, Nawalparasi West, Nepal. **Phone number/Cell:** 9841581597. **E-mail:** neu\_umesh@yahoo.com



**857. Umesh Prasad Shrivastava (M; 1962; Parsa, Nepal)**

- Category:** Microbial Biotechnology. Molecular Biology. Plant Science.
- Current Affiliation:** Associate Professor of Botany, Department of Botany, TRM Campus, Tribhuvan University, Birganj, Nepal.
- Past Experiences:** Associate Professor of Botany, TRM Campus, Tribhuvan University, Birganj. Assistant Professor of Botany, TRM Campus, Tribhuvan University, Birganj. Assistant Lecturer of Botany, TRM Campus, Tribhuvan University, Birganj.
- Education:** PhD in Molecular Characterization of *Rhizobacteria* Associated with the Rice Plants of Indo-Nepal Border from Banaras Hindu University, Varanasi, India in 2009. MSc in Botany from Bihar University, Muzaffarpur, India in 1985. BSc in Botany (Hons.) from Bihar University, Muzaffarpur, India in 1993.
- Awards:** Nepal Vidhya Bhusan A (2011) by Ministry of Education, Government of Nepal. SAARC Fellowship Under Indo-Nepal Exchange Program (2004-2009) by Indian Council for Cultural Relations. Young Scientist Award (2003-2004) by DST, Government of India.
- Expertise:** PCR. Molecular Cloning. DNA Sequencing. Chromatography. Sonicator. Lyophilizer. ND-1000 Nano-Spectrophotometer Version 3.3.1. Spectrophotometer. Microscopy. Poly Acryl Amide Gel Electrophoresis, Agarose Gel Electrophoresis, BIO-RAD Mutation Detection System (DGGE and CDGE). Applied Biosystem 310 Genetic Analyzer (1-Capillary DNA Sequencer). 2D Electrophoresis of Protein. Plant Microbe Interaction. Cytology. Genetics and Plant Breeding.
- Professional Affiliation:** Life Member, Botanical Society of Nepal. Founder Chairman, Society of Environment, Microbiology and Biotechnology (SEM-Biotech). Editor-in-Chief, International Journal of Applied Sciences and Biotechnology.
- Correspondence:** **Mailing Address:** Birganj-16, Parsa, Nepal. **Phone number/Cell:** +9779845311392. **E-mail:** editor.ijasbt@gmail.com



**858. Umesh Rajopadhyaya (M; 1976; Kathmandu, Nepal)**

**Category:** Mathematics.

**Current Affiliation:** Assistant Professor, Kathmandu University, School of Management, Balkumari, Lalitpur.

**Past Experiences:** Lecturer, Unique College of Management, Kumaripati.

**Education:** PhD in Some Fixed Point Results In Semi-Metric Space from Kathmandu University, School of Science, Nepal in 2015. MSc in Mathematics from Tribhuvan University, Nepal in 2001. BSc in Statistics, Meteorology and Mathematics from Tribhuvan University, Nepal in 1997.

**Awards:** Nepal Vidhya Bhusan (2016) by Government of Nepal. Fellowship to Study PhD (2012) by University Grants Commission.

**Expertise:** Fixed Point Theory. Semi-Metric Space. Operation Research.

**Professional Affiliation:** Admission Coordinator, Kathmandu University, School of Management. Life Time Member, Nepal Mathematical Society.

**Correspondence:** **Mailing Address:** 271/7, Dharmachakra Galli, Bagbazar, Kathmandu, Nepal. **Phone number/Cell:** 9841232103. **E-mail:** umesh@kusom.edu.np

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**859. Umesh Singh (M; 1985; Bajhang, Nepal)**

**Category:** Engineering.

**Current Affiliation:** Senior Research Engineer, Hydro Lab Pvt Ltd, Krishna Galli, Lalitpur, Nepal.

**Past Experiences:** Water Resources Research Engineer, DK Consult Pvt Ltd. Research Intern, Deltares, Delft, The Netherlands. Civil Engineer for Hydropower Projects, Hydro Vision Company Pvt Ltd.

**Education:** PhD in Controls and Morphodynamic Effects of Width Variations in Bed-Load Dominated Alluvial Channels, Experimental and Numerical Study from University of Trento, Italy and Queen Mary University of London, UK in 2015. MSc In Effects of Sediment Grading on Braiding Degree of Rivers from UNESCO-IHE, Institute for Water Education, Netherlands in 2012. BSc in Feasibility Design of Siprin Khola Hydropower Project from Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal in 2007.

**Awards:** Nepal Vidhya Bhusan (2017) by The Government of Nepal. Erasmus Mundus Joint Doctoral Fellowship (2012) by European Union. NFP (Netherlands Fellowship Program) Fellowship (2010) by The Netherlands Government.

**Expertise:** River Morphodynamics. River Hydraulics. Reservoir Sedimentation. Physical Hydraulic Modelling. Hydraulics. Sediment Transport. Environmental Engineering.

**Professional Affiliation:** Founding Member and Treasurer, Geomorphological Society of Nepal. Nepal Engineering Council.

**Correspondence:** **Mailing Address:** Dhumbarahi, Kathmandu, Nepal. **Phone number/Cell:** 9851245850. **E-mail:** ush@hydrolab.org

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**860. Umid Kumar Shrestha (M; 1966; Lalitpur, Nepal)**



- Category:** Gastroenterology. Hepatology. Therapeutic Endoscopy.
- Current Affiliation:** Principal Consultant and Head of Department, Department of Gastroenterology, Hepatology and Endoscopy, Nepal Medcity Hospital, Sainbu, Bhaisepati, Lalitpur, Nepal.
- Past Experiences:** Professor of Medicine, Manipal College of Medical Sciences, Pokhara, Nepal.
- Education:** PhD in Gastroenterology and Hepatology from Wuhan University School of Medicine, China in 2009. MD in Internal Medicine from Institute of Medicine, Tribhuvan University, Nepal in 2003. MBBS from Rajshahi Medical College, Rajshahi University, Bangladesh in 1992.
- Awards:** Nepal Vidhya Bhusan 'Ka' (2009) by President of Nepal. Berenson Scholar in Advanced Endoscopy (2014) by Beth Israel Deaconess Medical Center, Harvard Medical School Teaching Hospital, USA. Cancer Prevention Fellowship (2019) by National Cancer Institute, National Institutes of Health, MD, USA.
- Expertise:** Gastroenterology. Hepatology. Therapeutic Endoscopy.
- Professional Affiliation:** Fellow of American College of Gastroenterology (FACG). Life Member, Nepalese Society of Gastroenterologists. Life Member, Society of Internal Medicine of Nepal.
- Correspondence:** **Mailing Address:** Adinath Marga, Sainbu, Bhaisepati, Lalitpur-18, Nepal. **Phone number/Cell:** 9814109409. **E-mail:** umidshrestha@gmail.com

**861. Upendra Baral (M; 1980; Ilam, Nepal)**

**Category:** Geology.

**Current Affiliation:** Associate Professor, Kathmandu Centre for Research and Education, Chinese Academy of Sciences-Tribhuvan University, Kirtipur Nepal.

**Past Experiences:** Assistant Professor, Institute of Tibetan Plateau Research, Chinese Academy of Sciences. Post-Doctorate Researcher, Institute of Tibetan Plateau Research Chinese Academy of Sciences. Program Coordinator, Oxford University of Clinical Research Unit-Nepal, Lalitpur Nepal.

**Education:** PhD in Structural Geology from Institute of Tibetan Plateau Research, Chinese Academy of Sciences, China in 2015. MSc in Geology from Tribhuvan University, Nepal in 2007. BSc in Geology from Tribhuvan University, Nepal in 2002.

**Awards:** ‘CAS President’s International Fellowship Initiative (PIFI)’ Young Staff Award for Academic Year (2019) by Chinese Academy of Sciences. CAS President’s International Fellowship Initiative (PIFI)’ 2016 as a Post-Doctorate (2016) by Chinese Academy of Sciences. National Award Category A (2016) by President, Government of Nepal.

**Expertise:** Sedimentary Geology. Structural Geology and Tectonics. Climate Change.

**Professional Affiliation:** Kathmandu Centre for Research and Education, Kirtipur, Nepal. Key Laboratory of Continental Collision and Plateau Uplift, Institute of Tibetan Plateau Research, Chinese Academy of Sciences, Beijing 100101, China.

**Correspondence:** **Mailing Address:** Tokha-3, Baniyatar, Kathmandu, Nepal. **Phone number/Cell:** 9841376869. **E-mail:** upendrabaral@gmail.com



### 862. Uttam Babu Shrestha (M; 1977; Gorkha, Nepal)

**Category:** Environmental Science.

**Current Affiliation:** Senior Research Fellow, University of Southern Queensland, Toowoomba, Australia.

**Past Experiences:** Research Associate, Harvard University, USA. Research Assistant, University of Massachusetts, USA. Research Assistant, Technical University of Munich, Germany.



**Education:** PhD in Environmental Science-Chasing interconnections: Mountains, Mushrooms and People from University of Massachusetts Boston, Department of Biology, United States in 2014. MSc in Geographic Information System from Northeastern University, United States in 2008. BSc in Botany, Zoology, Chemistry from Tribhuvan University, Nepal in 1999.

**Awards:** PLoS One Early Career Travel Award (2015) by Public Library of Science, USA. Outstanding Graduate Research Award (2014) by University of Massachusetts Boston. Graduate Academic Excellence Award (2008) by Northeastern University.

**Professional Affiliation:** Global Young Academy, Germany. Intergovernmental Science-Policy Platform for Biodiversity and Ecosystem Services, Bonn, Germany.

**Correspondence:** **Mailing Address:** 15 Harrison CT, Darling Heights, QLD 4350. **Phone number/Cell:** +61481098529. **E-mail:** ubshrestha@yahoo.com

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### 863. Uttam Budhathoki (M; 1977; Kathmandu, Nepal)

**Category:** Pharmaceutical Sciences.

**Current Affiliation:** Associate Professor, Kathmandu University, Dhulikhel, Kavre, Nepal.

**Past Experiences:** Casual Academic only (CAO), University of Tasmania, Hobart, Australia. Post-Doctoral Fellow, University of Heidelberg, Germany.



**Education:** PhD in Pharmacy-Optimization and Purification of Xylanase by *Brevibacillus borstelensis* from Kathmandu University, Nepal in 2011. MPharm in Evaluation of Monolithic Matrix based Transdermal Delivery of Salbutamol Sulphate from Kathmandu University, Nepal in 2003. BPharm (Hons) in Formulation of Effervescent Tablet of Antacid and its *In-vitro* Evaluation from Kathmandu University, Nepal in 2000.

**Awards:** 2013 Erasmus Mundus Mobility with Asia (EMMA) (2012) by European Union. Nepal Vidhya Bhusan 'Ka' (2012) by Ministry of Education. EMMA Award (2011) by European Union.

**Expertise:** Formulation and Drug Delivery. Fermentation. Cell Culture. Pharmaceutical Biotechnology.

**Professional Affiliation:** Nepal Pharmaceutical Association. Graduate Pharmacists Association. Nepal Pharmacy Council.

**Correspondence:** **Mailing Address:** Kirtipur-6, Char Ghare, Kathmandu, Nepal. **Phone number/Cell:** 9841301827. **E-mail:** uttam@ku.edu.np

V

**864. Vikash Kumar KC (M; 1969; Parbat, Nepal)**

**Category:** Health Statistics.

**Current Affiliation:** Professor, Tribhuvan University, Prithvi Narayan Campus, Pokhara, Nepal.

**Past Experiences:** Associate Professor, Tribhuvan University.

**Education:** PhD in Men's Participation in Women's Reproductive and Child Health Care in Western Nepal from Jawaharlal Nehru University, New Delhi, India in 2008.



MSc in Statistics from Tribhuvan University, Kirtipur, Nepal in 1997. BSc in Statistics, Physics and Maths from Tribhuvan University, Nepal in 1995.

**Expertise:** Health Statistics (Reproductive Health and Health Related Issues). Climate Change and Health.

**Professional Affiliation:** PN Campus, Tribhuvan University, Pokhara, Nepal.

**Correspondence:** **Mailing Address:** Home No. 34.3, Pardi, Pokhara-17, Nepal. **Phone number/Cell:** 9856070975. **E-mail:** vkkc2001@gmail.com

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**865. Vinay Kumar Jha (M; 1968; Saptari, Nepal)**

**Category:** Chemistry. Geopolymer Technology. Material Science. Nanotechnology. Wastewater Treatment Technology.

**Current Affiliation:** Professor, Central Department of Chemistry, Tribhuvan University, Kirtipur, Kathmandu, Nepal.

**Past Experiences:** Visiting Professor (Tenure Track), Akita University, Akita, Japan. Foreign Researcher, Okayama University, Okayama, Japan. Post-Doctoral Research Fellow, Tohoku University, Sendai, Japan.



**Education:** PhD in Material Science-Ion uptake properties of  $\text{CaO-Al}_2\text{O}_3\text{-SiO}_2$  Compounds Prepared from Various Starting Materials from Tokyo Institute of Technology, Tokyo, Japan in 2004. MSc in Chemistry, Infrared Study on the Interactions of Some Locally Used Herbicides with  $\text{H}^+$ ,  $\text{Na}^+$ ,  $\text{Ca}^{2+}$ ,  $\text{Al}^{3+}$ , and  $\text{Fe}^{3+}$ -bentonite from Central Department of Chemistry, TU, Kirtipur, Kathmandu, Nepal in 1996. BSc in Chemistry, Physics and Mathematics from CM Science College, LNM University, Darbhanga, India in 1990.

**Awards:** NAST Technology Award (2019) by Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal. Nepal Vidhya Bhusan 'Ka' (2005) by His Majesty King Gyanendra Bir Bikram Shahadev. Monbukagakusho (Formerly Monbusho) Scholarship (2001-2004) by Ministry of Education, Culture, Sports, Science and Technology, Japan.

**Expertise:** Geopolymer Technology. Material Science and Nanotechnology. Resource Recovery from Waste.

**Professional Affiliation:** Tribhuvan University, Central Department of Chemistry, Kirtipur, Kathmandu, Nepal.

**Correspondence:** **Mailing Address:** Central Department of Chemistry, Tribhuvan University, Kirtipur, Kathmandu, Nepal. **Phone number/Cell:** +97714335572 (Resident)/4332034 (Office)/9813421517. **E-mail:** vinayj2@yahoo.com

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Y

**866. Yadav Kumar Deo Bhatta (M; 1964; Baitadi, Nepal)**

**Category:** Medicine.

**Current Affiliation:** Director and Head of Department of Cardiology, Norvic International Hospital, Thapathali, Kathmandu.

**Past Experiences:** Head of Department and Senior Consultant Cardiologist, Sahid Gangalal National Heart Center, Kathmandu. Visiting Professor, Manmohan Cardiovascular and Thoracic Center, TUTH. Interventional Cardiology, National Board Fellow, Escorts Heart Institute, New Delhi.

**Education:** DM in Cardiology from Postgraduate Institute of Medical Education and Research, Chandigarh, India in 2000. MD in Medicine from Postgraduate Institute of Medical Education and Research, Chandigarh, India in 1994. MBBS from Madurai Medical College, Madurai, India in 1988.

**Awards:** Science Award (2019) by Nepal Academy of Science and Technology. Suprabal Jansewa Shree (2016) by Government of Nepal.

**Expertise:** Interventional Cardiology. General Cardiology. Pediatric Cardiology.

**Professional Affiliation:** Norvic International Hospital, Thapathali, Kathmandu, Nepal. Manmohan Cardiothoracic and Vascular Center, TU Teaching Hospital, Kathmandu.

**Correspondence:** **Mailing Address:** 78, Arnio Marg, Battishputali, Kathmandu, Nepal. **Phone number/Cell:** +9779851074677. **E-mail:** ykdbhatt@yahoo.com



**867. Yadav Uprety (M; 1977; Chitwan, Nepal)**

**Category:** Environmental Science. Biodiversity. Natural Resource Management. Traditional Knowledge.

**Current Affiliation:** Biodiversity Specialist, IUCN Nepal, Kupondol, Lalitpur.

**Past Experiences:** Programme Coordinator, Research Center for Applied Science and Technology, TU.

**Education:** PhD in Forest Ecology from University of Quebec, Canada in 2013. MSc in Human Ecology from Vrije Universiteit Brussels, Belgium in 2008. BSc in Botany from Amrit Campus, TU, Nepal in 1999.

**Awards:** TWAS Award (2015) by TWAS/NAST.

**Expertise:** Biodiversity Research. Access and Benefit Sharing Under Nagoya Protocol. Landscape Ecology.

**Correspondence:** **Mailing Address:** Lalitpur-13, Kusunti, Nepal. **Phone number/Cell:** 9843772554. **E-mail:** yadavuprety@gmail.com



**868. Yam Bahadur Gurung (M; 1969; Rupandehi, Nepal)**



**Category:** Veterinary Medicine.

**Current Affiliation:** Associate Professor, Veterinary Pathology, IAAS, TU, Paklihawa Campus, Rupandehi.

**Past Experiences:** Campus Chief, Lamjung Campus, Lamjung, IAAS TU. Planning Chief, Dean Office, IAAS, TU, Kirtipur.

**Education:** PhD in Studies on Colitis-Induced Alterations in Enteric Neural Function and Colonic Motility in Hamster from Gifu University, Japan in 2007. Comparative Efficacy of Closantel, Oxytetracycline and Rafoxanide Against Infections of flukes of Sheep at IAAS Livestock Farm from Institute of Agriculture and Animal Science, Tribhuvan University, Nepal in 1997.

**Awards:** Nepal Vidhya Bhusan 'Ka' (2009) by Government of Nepal. Japanese Government Scholarship (2003-2008) by Government of Japan. TU Excellence Award (1991-1997) by Tribhuvan University, Nepal.

**Expertise:** Veterinary Science Subjects. Veterinary Pathology. Veterinary Clinical Science.

**Professional Affiliation:** Member, Nepal University Teachers' Association (NUTA), Nepal. Member, Nepal Veterinary Council (NVC No. 28), Nepal. Member, Nepal Veterinary Association (NVA), Nepal.

**Correspondence:** **Mailing Address:** Tilottama-8, Deepnagar, Rupandehi, Nepal.

**Phone number/Cell:** 9861763101. **E-mail:** yamgurung@gmail.com, yamgurung@iaas.edu.np

**869. Yogendra Shah (M; 1983; Kanchanpur, Nepal)**



- Category:** Microbiology (Infectious and Zoonotic Diseases).
- Current Affiliation:** Senior Research Microbiologist, National Zoonoses and Food Hygiene Research Centre (NZFHRC).
- Past Experiences:** Research Microbiologist, Everest International Clinic and Research Centre (EIRC), Kalanki, Kathmandu, Nepal. Research Microbiologist, National Zoonosis and Food Hygiene Research Center (NZFHRC), Tahachal, Nepal. Visiting Researcher (Post-Doctoral), Hokkaido University, Division of Bioresources, Research Center for Zoonosis Control, Japan.
- Education:** PhD in Bacteriology-Genetic diversity of multidrug resistant *Mycobacterium tuberculosis* Central Asian Strain isolates in Nepal from Hokkaido University, Sapporo, Japan Graduate School of Veterinary Medicine, Japan in 2013-2017. MSc in Medical Microbiology-Sero-epidemiology of dengue virus infection in western terai region of Nepal from Tribhuvan University, Kathmandu College of Science and Technology (KCST), Kalimati, Kathmandu, Nepal in 2006-2008. BSc in General Microbiology from Tribhuvan University, National College, Lainchour, Kathmandu, Nepal in 2003-2006.
- Awards:** Japanese Government (Monobukagakusho: MEXT scholarship for PhD study) (2013-2017) by Japanese Government (MEXT). Visiting Researcher (Post Doctoral Fellowship) (2017-2018) by Hokkaido University Research Center for Zoonosis Control, Japan. Research Grant Proposal in Title Detection of *Zika* Virus in Suspected Dengue Cases at Selected Tertiary Hospital (2018-2019) by Nepal Academy of Science and Technology (NAST), Nepal.
- Expertise:** Infectious Diseases. Zoonotic Infectious Diseases. Vector Borne Diseases. Public Health Concern Diseases.
- Professional Affiliation:** National Zoonoses and Food Hygiene Research Center (NZFHRC), Kathmandu, Nepal. Kathmandu College of Science and Technology (KCST), Department of Microbiology, Kathmandu, Nepal. Everest International Clinic and Research Center (EIRC), Kathmandu, Nepal .
- Correspondence:** **Mailing Address:** National Zoonosis and Food Hygiene Research Center (NZFHRC), GPO Box 1885, Jeevan Smriti Marg, Chagal House No. 468/32, Kathmandu-32, Nepal. **Phone number/Cell:** +9779849610127. **E-mail:** yogendra90@hotmail.com, yogendra.90@gmail.com

**870. Yuba Raj Limbu (M; 1962; Terhathum, Nepal)**

**Category:** Cardiology.

**Current Affiliation:** Director, Shahid Gangalal National Heart Centre.

**Past Experiences:** Consultant Cardiologist, Shahid Gangalal National Heart Centre.

**Education:** PhD in Cardiology from Fudan University, Shanghai, China in 1997.

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**871. Yuba Raj Pokharel (M; 1973; Pyuthan, Nepal)**

**Category:** Life Science. Biotechnology.

**Current Affiliation:** Associate Professor, South Asian University, Akbar Bhawan, Chankayapuri, New Delhi-110021, India.

**Past Experiences:** Post-Doctoral Fellow Brain Korea 21, Chosun University, South Korea. Post-Doctoral Fellow, FIMM, Finland: Turku University, Turku Finland. Assistant Professor, South Asian University, New Delhi, India.

**Education:** PhD in Pharmacology from School of Pharmacy, Chosun University, South Korea in 2009. MSc in Botany from Central Department of Botany, TU, Kirtipur, Nepal in 1997. BSc in Biology from Patan Multiple Campus, TU, Patan, Lalitpur, Nepal in 1994.

**Awards:** COVID-19 Warrior Award (2020) by Patrakar Bharati, India. RULA Research Peace Award 2019 in International Innovative Research in Cancer Research (2019) by The World Research Council and United Medical Council. Best Foreign Young Scientist Award (2007) by Chosun University, South Korea.

**Expertise:** Pharmacology. Cancer Biology. Cell and Molecular Biology.

**Professional Affiliation:** Chosun University, Gwangju, South Korea. Turku University, Tuku, Finland. South Asian University, New Delhi, India.

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**872. Yuga Nath Ghimire (M; 1963; Lalitpur, Nepal)**

- Category:** Agricultural and Natural Resource Economics.
- Current Affiliation:** Senior Scientist, Socioeconomics and Agricultural Policy Research Division, Nepal Agricultural Research Council, Khumaltar, Lalitpur, Nepal.
- Past Experiences:** Senior Scientist, Socioeconomics and Agricultural Policy Research Division, Nepal Agricultural Research Council. Resource Economist, Ministry of Forest and Soil Conservation, Kathmandu, Nepal.
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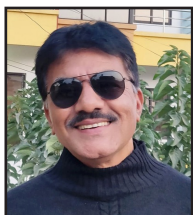
\* Nawalparasi has been divided into the Nawalpur and Parasi Districts. However, scientists/technologists have stated that they were born in Nawalparasi when they filled the forms for the Directory.

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## **PUBLISHER**

Nepal Academy of Science and Technology (NAST)  
Khumaltar, Lalitpur, Nepal.  
Tel: +9771 5547717, 5547715. Fax: +9771 5547713.  
Email: [info@nast.org.np](mailto:info@nast.org.np), website: [www.nast.gov.np](http://www.nast.gov.np)

ISBN: 978-9937-0-8013-2



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