



**59TH ANNUAL SCIENTIFIC CONFERENCE OF THE
MALAYSIAN SOCIETY OF PARASITOLOGY &
TROPICAL MEDICINE**

**15 - 16 March 2023
The Wembley Hotel, Penang**

Conference Theme

**PLANETARY HEALTH FRAMEWORKS IN TACKLING CHALLENGES
OF VECTOR-BORNE AND TROPICAL DISEASES**

PROGRAMME BOOK



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WELCOME ADDRESS



Dr. Chen Chee Dhang

President

59th Council (2022/2023)

Malaysian Society of Parasitology and Tropical Medicine

Salam sejahtera and warmest welcome to our distinguished guests, speakers, participants, ladies, and gentlemen. **Welcome to the 59th MSPTM Annual Scientific Conference!**

This year marks the 1st physical conference for our society, after two years of the national Covid-19 pandemic. In the history of our society, MSPTM Annual Scientific Conference was organised five times in Penang (1971, 1973, 1982, 1985 and 1990). We also have many members of MSPTM residing in Penang, after Kuala Lumpur and Selangor. Thus, this conference is specially curated to be organised in Penang after 33 years.

Transmission and risk of vector-borne and tropical diseases are rapidly changing due to unplanned urbanization, increased movement of people and goods, and environmental changes. The unprecedented global spread of vector-borne and tropical diseases clearly highlights the challenges faced by health personal, scientists, doctors, veterinary and researchers.

The conference theme “**Planetary Health Frameworks in Tackling Challenges of Vector-Borne and Tropical Diseases**” is timely. The ideas and solutions need to be shared and this conference provides a perfect platform to promote scientific knowledge, exchange of ideas and cooperation among the medical, scientific, and veterinary fields. The society is honoured to host over 100 participants presenting over 93 scientific papers, including 2 Keynotes and 5 Plenary presentations.

To enhance this conference even further, the society has organised a pre- and post-conference programme. The MSPTM Animal Awareness Day was organised on 14th March 2023, in collaboration with Northern Zone Veterinary Laboratory, Department of Veterinary Service Malaysia. This community engagement programme aims to educate and increase awareness on animal health among the community in Bukit Mertajam, Penang. While the post-conference workshop on Publishing in WOS Journals will be organised on 17th March 2023, to encourage our young researchers in publishing their research output in world renowned scientific journals.

On behalf of MSPTM, I would like to thank the organising committee headed by Dr. Lucas Low Van Lun and his committee for their efforts in making this conference a success one. We are grateful to the contributions from the sponsors, for their generous and kind support during these challenging times. We also acknowledge all speakers, presenters, and participants for helping us to achieve the objectives of our conference.

I am looking forward for your continued support to our society’s programmes in the future.

Dr. Chen Chee Dhang

President, 59th Council of MSPTM (2022/2023)



59TH ANNUAL SCIENTIFIC CONFERENCE OF THE MALAYSIAN SOCIETY OF PARASITOLOGY & TROPICAL MEDICINE

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Planetary Health Frameworks in tackling Challenges of Vector-borne and Tropical Diseases

59TH COUNCIL OF THE MALAYSIAN SOCIETY OF PARASITOLOGY AND TROPICAL MEDICINE

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59TH ANNUAL SCIENTIFIC CONFERENCE OF THE MALAYSIAN SOCIETY OF PARASITOLOGY & TROPICAL MEDICINE

15 - 16 March 2023 | The Wembley Hotel, Penang

Planetary Health Frameworks in tackling Challenges of Vector-borne and Tropical Diseases

ORGANISING COMMITTEE OF THE 59TH ANNUAL SCIENTIFIC CONFERENCE OF MSPTM

Chairperson	: Dr. Lucas Low Van Lun
Vice Chairperson	: Dr. Intan Haslina Ishak
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Secretariat	: Ms. Victoria Foo
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Marketing & Publicity	: Dr. Chen Chee Dhang
Protocol & Social Events	: Dr Farah Haziqah Termizi (<i>Chair</i>)
Technical	: Ms. Victoria Foo Dr. Lau Koon Weng

NADCHATRAM MEDALIST 2022



Dr. Lee Li Li

Universiti Islam Antarabangsa Sultan Abdul Halim Mu'adzam Shah (UniSHAMS)

Lee Li Li is a Senior Lecturer at the Kulliyah of Medicine & Health Sciences, Universiti Islam Antarabangsa Sultan Abdul Halim Mu'adzam Shah (UniSHAMS), Kuala Ketil, Kedah. She graduated with a Bachelor of Science majoring in Biochemistry (2001) from Univesiti Malaya. She then worked as a tutor and pursued a Master's in Medical Science related to the biochemistry of natural plant products from the same university. Upon graduation in 2007, she started her career as a Hospital Administrative Officer at Subang Jaya Medical Centre coordinating matters about quality improvements within the ancillary diagnostic laboratory. In 2008, her interest in community-related research grew and she decided to pursue PhD in waterborne parasitology under the supervision of Prof. Dr. Suresh Kumar Govind and Assoc. Prof. Dr. Tan Tian Chye at the Department of Parasitology, Faculty of Medicine, Universiti Malaya and graduated in 2012.

During her PhD journey, she received a postgraduate Gold Medal Award as a recognition of her hard work in the department, including organizing various activities for postgraduate students. She also won the Best Student Presentation at the 50th Joint International Tropical Medicine Meeting 2010 (JITMM 2010) in Bangkok, Thailand. The Best Oral Paper Presentation for Postgraduate Students during the 47th Annual Scientific Seminar of the Malaysian Society of Parasitology and Tropical Medicine (MSPTM).

Lee is known for her work on Blastocystis as a waterborne parasite. She developed methods for the detection of Blastocystis in water samples using centrifugation and flatbed membrane filtration. She is the main author or co-author for 20 papers with citations of 348 times and she has an h-index of 7 according to Google Scholar. She has been a reviewer of both local and international journals.

In UniSHAMS, she is currently the MyRA© Internal Auditor and a former Deputy Dean (Pre-clinical & Research). She received the Excellent Service Award in 2017. She organised and chaired various workshops including Outcome-Based Education (OBE), Good Laboratory Practices, Problem-Based Learning (PBL) and most recently the 2nd Medicine & Health Science Conference, which was held in Kedah. She also incorporated Team-Based Learning (TBL) approach as one of the teaching and learning methods in Medical Parasitology for MBBS students.

She is an active member of Malaysian Society of Parasitology and Tropical Medicine (MSPTM) since 2009 and currently serving as the Honorary Secretary.

MSPTM COMMUNITY FUND 2022



Ms. Putri Wulan Dari Binti Perison

School of Biological Sciences, Universiti Sains Malaysia

Community Engagement on The Risk of Rodent as Pest and Their Zoonotic Potential in Batu Lanchang Wet Market, Penang.

This project will focus and highlight on the risk and zoonotic potential of rodents in Batu Lanchang Wet Market in Penang, Malaysia. Two programmes will be held during this project, the first community involvement-focused programme is an awareness and engagement campaign. This will be accomplished with posters and banners presented to the community to raise awareness of the risk posed by rodent harbourage. The second initiative will involve the detection of possible zoonotic parasites in wild rodents. These initiatives are essential for increasing public awareness of the possible risk posed by rodents and detecting the zoonotic potential parasites.



Our Exhibitor

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KEYNOTE SPEAKER



Tan Sri Dr. Jemilah Mahmood
Executive Director,
Sunway Centre for Planetary Health, Malaysia

Topic:
Parasites and Pandemics: The Case for Planetary Health

Dr. Mahmood is a highly experienced medical professional and strong advocate for planetary health and sustainability. She has completed executive education at IMD Lausanne and Berkeley Law. She has over 20 years of experience in crisis management within health, disaster, and conflict settings. Currently, she is the Professor and Executive Director of the Sunway Centre for Planetary Health in Malaysia, as well as serving on multiple advisory councils for the Malaysian government. She is also the founder of MERCY Malaysia and has held high-level positions in international organizations, such as the IFRC and the United Nations. Dr. Mahmood has received numerous awards for her contribution to peace, community development, and humanitarian work.



KEYNOTE SPEAKER



Prof. Dr. Lee Chow Yang
Professor & Endowed Presidential Chair in Urban
Entomology, University of California, Riverside, USA

Topic:
The Impacts of Climate Change on Public Health and Urban Pest Management

Chow-Yang Lee is the Professor and Endowed Presidential Chair in Urban Entomology at the University of California, Riverside, USA. His research involves understanding behavioral, ecological, and physiological adaptations of insect pests in the urban environment. He has published over 250 peer-reviewed papers and books and mentored 16 Ph.D. and 32 M.S students. He is one of the co-editors of the books: *Biology and Management of the German Cockroach* (2021) and *Advances in the Biology and Management of Modern Bed Bugs* (2018). Chow-Yang received many awards at international and national levels, including the Recognition Award in Medical, Urban and Veterinary Entomology (2022) from the Entomological Society of America, Distinguished Achievement Award in Urban Entomology (2022) from the National Conference on Urban Entomology (USA), 2012 Top Research Scientists Malaysia, Fulbright Scholarship (2002), and the National Young Scientist Award Malaysia (2000).



PLENARY SPEAKER



Dr. Leong Kar Nim
Infectious Diseases Consultant,
Hospital Pulau Pinang

Topic:
Infectious Diseases Threats

Dr Leong Kar Nim is an infectious diseases physician currently practicing in Hospital Pulau Pinang. He is a member of the Royal College of Physician, Ireland since 2005 and completed his Infectious Diseases Fellowship training (Ministry of Health Malaysia) in 2010. He is also an Honorary Associate of the Victoria Infectious Diseases Service, Royal Melbourne Hospital, Melbourne, Australia. Besides managing infectious diseases in the hospital, he is also involved in infection control and prevention. He is the chief editor of the National Consensus Guideline on antiretroviral therapy in 2015 and 2022. He is a contributor to the National Antibiotic Guidelines.



PLENARY SPEAKER



Dr. Low Lee Lee
Infectious Disease Physician,
Hospital Sultanah Bahiyah Malaysia

Topic:
Current Challenges in the Management of Invasive Fungal Infections

Dr Low Lee Lee is an Infectious Disease Physician, working at Hospital Sultanah Bahiyah since 2011. She was state coordinator for Antimicrobial Stewardship program and state coordinator for Infection prevention and Control. She is a member of the Malaysian Mycology Interest Group (MMIG), a working group which bring together clinicians and researchers with great interest in mycology, under the umbrella of Malaysian Society of infectious Diseases and chemotherapy (MSIDC). She is a board member of The Asia Fungal Working Group (AFWG), a group of infectious disease and mycology experts from Asian countries under International Society for Human and Animal Mycology (ISHAM). She is also a member of MyICID (The Malaysian Society of Infection Control and Infectious Diseases) and member of MAHSM (The Malaysian Society of HIV Medicine).



PLENARY SPEAKER



Prof. Dr. Russell Stothard
Professor of Medical Parasitology,
Liverpool School of Tropical Medicine,
Editor-in-Chief, Parasitology

Topic:
**Revealing Hybrid Schistosomes in Africa and One Health
Connections in Malawi**

Based at the Liverpool School of Tropical Medicine from 2011, I am a medical parasitologist with a research focus on NTDs. My current expertise is in epidemiology and control schistosomiasis, undertaking multidisciplinary studies from snail ecology to molecular epidemiology. More broadly, I have advanced our understanding of key parasites and intermediate hosts/vectors thereof, to better tailor future interventions. My research has often translated into several WHO policy changes. I have presented, co-chaired and chaired several WHO expert committees of WHO Head Office/African Regional Office and assisted in WHO Guideline Review: Schistosomiasis.



PLENARY SPEAKER



Dr. Mariana Ahamad
Head, Unit of Acarology, Institute for Medical Research
(IMR) @ National Institutes of Health (NIH) Malaysia

Topic:
**Tick-Borne Pathogens and the Neglect of Related Diseases in
Malaysia**

Dr Mariana Ahamad is a senior researcher with the Institute for Medical Research (IMR) and currently the Head of Acarology Unit, under the Infectious Diseases Research Centre. She is the subject matter expert for the identification of Acari (ticks and mites) of public health importance. Over the years, her scope of research is to understand the basics of Acari to their potential health risk, namely dust mite allergy, scabies, Scrub Typhus, Tick Typhus, human otoacariasis and tick-borne diseases. She gives lectures and training on laboratory and field techniques used in Acarology and at times serves as co-supervisors or consultants in the postgraduate research projects.



PLENARY SPEAKER



Prof. Dr. J. Kevin Baird

Oxford University Clinical Research Unit Indonesia

Topic:

Pathophysiology of *Plasmodium vivax* Malaria

Prof. Baird trained in microbiology (B.Sc. U. Maryland), protozoology and biochemistry (M.Sc. U. Maryland), and medical zoology (Ph.D. Tulane University). He served on active duty in the US Navy Medical Service Corps as a malaria specialist (1984-2006) with duty posts in USA, Indonesia, Philippines, Peru, and Ghana. He has directed the Oxford University Clinical Research Unit since its founding in 2008 on behalf of the University of Oxford and the Faculty of Medicine Universitas Indonesia. He leads a malaria research group focused on *Plasmodium vivax* pathophysiology, prevention, diagnosis, treatment, and epidemiology.



INVITED SESSION SPEAKER



Dr. Faizah Hanim Binti Mohd Saeid

Director, Veterinary Research Institute, Perak

Topic:

Research Initiatives for Livestock & Zoonotic Diseases in VRI

Dr. Faizah Hanim bt Mohd Saeid is currently the Director of Veterinary Research Institute, Ipoh, Perak. She graduated from Universiti Putra Malaysia then further study in The University of Queensland, Australia. She is interested in Virology Avian/Zoonotic diseases. Research on veterinary diagnostic technology of economic and zoonotic diseases and upgrading current animal vaccine.



SPONSORED SESSION



Dr. Ishna Mallison
Business Manager AMEA (Quantabio)

ACCUFLEX Sponsored Session

Topic:

**Combining Crude Extraction with Inhibitor Tolerant Master
Mixes for Simple and Sensitive Pathogen Detection**

Ishna is the Quantabio Business Manager for AMEA. She holds a PhD in Chemical Biology from the University of Southampton, UK followed by a post-doctoral position in the department of oncology at the University of Oxford, UK. Since, she has worked in the biotechnology field, developing NGS library preparation reagents and instruments and has extensive, hands-on experience with a wide range of NGS applications. Ishna joined Quantabio in 2020 as a field application specialist with a specialism in NGS. As business manager, she is now using this expertise to help our customers in the AMEA region find the right solution for their workflows.



PROGRAMME

TIME	15 MARCH 2023 (WEDNESDAY)
0730 – 0855	Registration & Networking with Welcome Coffee & Tea
0900 – 0945	Opening Ceremony of the 59th MSPTM Annual Scientific Conference
	Welcome by Emcee & House Rules
	Welcome & Presidential Address by Dr Chen Chee Dhang, President MSPTM 2022 – 2023 (59 th Council)
	The Nadchatram Medallist 2022
	MSPTM Community Fund Winners 2022
	MSPTM Photography Competition Winners 2022
0935 – 1005	KEYNOTE 1: <i>Session Chair: Dr Zulkarnain Md Idris, Universiti Kebangsaan Malaysia</i> Parasites and Pandemics: The Case for Planetary Health Tan Sri Dr. Jemilah Mahmood <i>Executive Director, Sunway Centre for Planetary Health, Malaysia</i>
1005 – 1035	PLENARY 1: <i>Chair: Dr Zulkarnain Md Idris, Universiti Kebangsaan Malaysia</i> Infectious Diseases Threats Dr. Leong Kar Nim <i>Infectious Diseases Consultant, Hospital Pulau Pinang</i>
1035 – 1045	Group Photo
1045 – 1115	Morning Tea Break
1115 – 1145	ORAL PRESENTATION SESSION 1: DRUG DISCOVERY, DRUG RESISTANCE AND ENTECH <i>Chair: Dr Tan Li Peng, Universiti Malaysia Kelantan</i>
1115 – 1125	OP01: Antimicrobial activity isolated from the larvae of the black soldier fly, <i>Hermetia illucens</i> (Diptera: Stratiomyidae): A preliminary study Ms. Nurul Azmiera Binti Zamri, Universiti Teknologi MARA (UiTM), Malaysia
1125 – 1135	OP04: Optimization of black soldier flies (<i>Hermetia illucens</i>) for the reduction of landfill waste Dr. Abby Kimpton Jones, Universiti Teknologi MARA (UiTM), Malaysia
1135 – 1145	OP05: Efficiency of black soldier fly larvae (<i>Hermetia illucens</i>) in reducing fresh household waste from the landfills Ms. Nur Aliah Natasha Binti Azmi, Universiti Teknologi MARA (UiTM), Malaysia
1145 – 1240	ORAL PRESENTATION SESSION 2: VETERINARY PARASITOLOGY <i>Chair: Dato' Dr. Chandrawathani Panchadcharam, Chief Editor Tropical Biomedicine</i> Research Initiatives for Livestock & Zoonotic Diseases in VRI
1145 – 1200	Dr. Faizah Hanim Binti Mohd Saeid <i>Director, Veterinary Research Institute, Perak</i>

1200 – 1210	<p>OP07: A cross-sectional survey on gastrointestinal parasites in imported sheep and goats at the Central Quarantine Station in Muscat, Sultanate of Oman Dr. Elshafie Ibrahim Elshafie Hassan, Sultan Qaboos University, Oman</p>
1210 – 1220	<p>OP08: Molecular and morphological characterization of <i>Eimeria</i> species from Arabian Oryx Dr. Khalid Rasheed Saif Al-Habsi, Sultan Qaboos University, Oman</p>
1220 – 1230	<p>OP09: Prevalence and risk factors associated with <i>Neospora caninum</i> and <i>Toxoplasma gondii</i> in pet and stray dogs in Malaysia Ms. Yap Wei Ying, Universiti Putra Malaysia (UPM), Malaysia</p>
1230 – 1240	<p>OP10: Efficacy of ivermectin on endoparasitic infection among rats in Laboratory Animal Facility and Management (LAFAM), UiTM Selangor Assoc. Prof. Dato' Dr. Vellayan A/L Subramaniam, Universiti Teknologi MARA (UiTM), Malaysia</p>
1240 – 1400	Lunch Break
1400 – 1450	<p>ORAL PRESENTATION SESSION 3: VETERINARY PARASITOLOGY <i>Chair: Dr. Farah Haziqah Binti Meor Termizi, Universiti Sains Malaysia (USM)</i></p>
1400 – 1410	<p>OP11: A review on the endo- and ectoparasites from zoo animals in Peninsular Malaysia Assoc. Prof. Dato' Dr. Vellayan A/L Subramaniam, Universiti Teknologi MARA (UiTM), Malaysia</p>
1410 – 1420	<p>OP13: Rare occurrence of <i>Blastocystis</i> in the green sea turtle (<i>Chelonia mydas</i>) from Pulau Redang, Terengganu Dr. Farah Haziqah Binti Meor Termizi, Universiti Sains Malaysia (USM), Malaysia</p>
1420 – 1430	<p>OP14: Molecular detection of <i>Mycoplasma</i> spp. and risk factors in dogs from animal shelter in Selangor Dr. Nor Azlina Abdul Aziz, Universiti Putra Malaysia (UPM), Malaysia</p>
1430 – 1440	<p>OP16: Identification of ticks from selected ruminant farms in Peninsular Malaysia Mr. Abdul Rahman Kazim Bin Azli, Universiti Teknologi MARA (UiTM), Malaysia</p>
1440 – 1450	<p>OP15: Occurrence of <i>Taenia taeniaformis</i> found in wild rodents, cats and dogs from Penang, Malaysia Ms. Aoha Yamamoto, Universiti Sains Malaysia (USM), Malaysia</p>
1450 – 1515	Afternoon Tea Break
1515 – 1545	<p>PLENARY 2: <i>Chair: Dr. Lee Li Li, Sultan Abdul Halim Mu'adzam Shah International Islamic University (UniSHAMS), Malaysia</i></p> <p>Current Challenges in the Management of Invasive Fungal Infections Dr. Low Lee Lee <i>Infectious Disease Physician, Hospital Sultanah Bahiyah Malaysia</i></p>

1545 – 1615	<p>PLENARY 3: <i>Chair: Assoc. Prof. Dr. Juriah Kamaludeen, Universiti Putra Malaysia (UPM)</i></p> <p>Revealing Hybrid Schistosomes in Africa and One Health Connections in Malawi Prof. Dr. Russell Stothard <i>Professor of Medical Parasitology, Liverpool School of Tropical Medicine</i> <i>Editor-in-Chief, Parasitology</i></p>
1615 – 1705	<p>ORAL PRESENTATION SESSION 4: MEDICAL & FORENSIC ENTOMOLOGY <i>Chair: Dr. Intan Haslina Ishak, Universiti Sains Malaysia (USM)</i></p>
1615 – 1625	<p>OP17: Spatial distribution of <i>Wolbachia</i>-infected <i>Aedes aegypti</i> in the Mentari Court, Malaysia Dr. Cheong Yoon Ling, Institute for Medical Research (IMR), Malaysia</p>
1625 – 1635	<p>OP18: Insecticide susceptibility screening among <i>Aedes albopictus</i> adults from housing localities of West Malaysia Dr. Wan Norafikah Othman, Universiti Teknologi MARA (UiTM), Malaysia</p>
1635 – 1645	<p>OP19: Comparative replication and dissemination of Getah virus strains in <i>Aedes albopictus</i> mosquitoes Ms. Noor Adila Binti Mohamed Romai Noor, Universiti Malaya (UM), Malaysia</p>
1645 – 1655	<p>OP20: Proteome analysis on different developmental stages of <i>Culex quinquefasciatus</i> Mr. Ahmadu Bukar, Universiti Sains Malaysia (USM), Malaysia</p>
1655 – 1705	<p>OP21: The application of insects in aquatic forensic investigations in Malaysia Dr. Tania Esmeralda Ivorra Cazorla, Universiti Teknologi MARA (UiTM), Malaysia</p>
1705 – 1715	<p>OP22: Role of forensic entomology in homicidal deaths Prof. Dr. Yogender Singh Bansal, Post Graduate Institute of Medical Education & Research (PGIMER), India</p>
1715 – 1735	<p>RAPID ORAL PRESENTATION <i>Chair: Dr. Intan Haslina Ishak, Universiti Sains Malaysia (USM)</i></p>
1715 – 1720	<p>RP01: Effects of NADPH oxidase inhibitor of the <i>Etlingera elatior</i> fruit extracts in animal sepsis models Dr. Evi Nurhayatun Sihono, Universitas Sebelas Maret, Indonesia</p>
1720 – 1725	<p>RP02: Antibiotic resistance and virulence-associated genes of <i>Vibrio alginolyticus</i> isolated from seabass (<i>Lates calcarifer</i>) in East Coast, Malaysia Dr. Ruhil Hayati Hamdan, Universiti Malaysia Kelantan (UMK), Malaysia</p>
1725 – 1730	<p>RP03: Proteomics and bioinformatics of <i>Entamoeba histolytica</i> reveal predictive functions and protein-protein interactions of differentially abundant membrane and cytosolic proteins Ms. Nurhana Binti Jasni, Universiti Sains Malaysia (USM), Malaysia</p>
1730 – 1735	<p>RP04: Knowledge, attitude, and practices of Kelantanese women towards cat parasitic zoonoses Dr. Tan Li Peng, Universiti Malaysia Kelantan (UMK), Malaysia</p>
1830 – 2100	<p>Networking Dinner</p>



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TIME	16 MARCH 2023 (THURSDAY)
0730 – 0830	Registration & Networking with Welcome Coffee & Tea
0830 – 1030	RAPID ORAL STUDENT COMPETITION <i>Chair: Dr. Stanley Tan Tiong Kai, Universiti Malaya, Malaysia</i>
0830 – 0835	Competition Briefing Session
0835 – 0840	SC01: Challenges in malaria elimination in localities with high risk of malaria reintroduction in Malaysia Ms. Adela Ida Anak Jiram, Institute for Medical Research (IMR), Malaysia
0840 – 0845	SC02: Computational approach as a tool for proteomic studies: Evaluation of binding interactions between artemisinin and Kelch-13 protein mutants Ms. Aisya Nazura Binti Azman, International Islamic University Malaysia (IIUM), Malaysia
0845 – 0850	SC03: Association of total and Dengue-specific IgE in the sera with dengue virus inhibition Ms. Annsley Dashawna Stephen, Universiti Malaya (UM), Malaysia
0850 – 0855	SC05: Epidemiology of common skin infections (scabies and tinea) among the Orang Asli in Peninsular Malaysia Mr. Er Yi Xian, Universiti Malaya (UM), Malaysia
0855 – 0900	SC06: Characterization of bacterial communities associated with on-host <i>Ixodes granulatus</i> Supino, 1897 (Acari: Ixodidae) in Malaysia: A potential vector of tick-borne disease Ms. Ernieenor Faraliana Binti Che Lah, Institute for Medical Research (IMR), Malaysia
0900 – 0905	SC07: Species delimitation of black flies (Diptera: Simuliidae) in Indonesia using COI-based DNA barcoding Ms. Hew Yan Xin, Universiti Malaya (UM), Malaysia
0905 – 0910	SC08: Intestinal parasitic infection: Knowledge, attitude and practices among refugees in Klang Valley, Malaysia Ms. Izzah Ruzana Binti Mohd Hanapi, Universiti Malaya (UM), Malaysia
0910 – 0915	SC09: Waterborne parasites in Southeast Asia countries: a systematic review Mr. Muhammad Arif Othman Sultan Abdul Halim Mu'adzam Shah, International Islamic University (UniSHAMS), Malaysia
0915 – 0920	SC10: Intestinal parasitic infections amongst low-cost high-rise flat dwellers across Klang Valley, Malaysia Ms. Nabila Binti Abu Bakar, Universiti Malaya (UM), Malaysia
0920 – 0925	SC11: Identification of intestinal protozoa infections among Orang Asli Negritos in Peninsular Malaysia: A preliminary result Ms. Nor Fatini Sajidah Binti Rozani, Universiti Teknologi MARA (UiTM), Malaysia
0925 – 0930	SC12: Bovine anaplasmosis: A bibliometric analysis Ms. Nur Amalina Binti Nasruddin, Universiti Malaysia Kelantan (UMK), Malaysia

0930 – 0935	5 Mins Break
0935 – 0940	SC13: Co-infection of malaria and helminthiasis among individuals of indigenous origin in Malaysia Ms. Nurmanisha Binti Abdull Majid, Universiti Malaya (UM), Malaysia
0940 – 0945	SC14: Tick Cell Biobank Asia Outpost: Resources and training for tick cell research in Asia Ms. Nurul Aini Binti Husin, Universiti Malaya (UM), Malaysia
0945 – 0950	SC15: Determination of insecticide resistance status of <i>Aedes albopictus</i> collected from recreational parks in Selangor, Malaysia, using WHO adult bioassay test Ms. Nurul Nastasea Binti Sabar, Management and Science University (MSU), Malaysia
0950 – 0955	SC23: Knowledge, attitude and practice (KAP) and risk factors assessment associated with intestinal parasitic infections among Orang Asli community in Gua Musang, Kelantan Ms. Zarith Suraya Binti Shahr, Universiti Kebangsaan Malaysia (UKM), Malaysia
0955 – 1000	SC17: Species delineation of black flies (Diptera: Simuliidae) in Vietnam Ms. Putt Qi Yan, Universiti Malaya (UM), Malaysia
1000 – 1005	SC18: Occurrence and molecular characterization of <i>Acanthamoeba</i> isolated from recreational lakes in Malaysia: Evidence of pathogenic potential Ms. Rohaya Binti Abdul Halim, Universiti Teknologi MARA (UiTM), Malaysia
1005 – 1010	SC19: Preliminary findings: Soil-transmitted helminth infection and its sociodemographic factors among Negrito tribes in Peninsular Malaysia Ms. Shezryna Binti Shahrizal, Universiti Teknologi MARA (UiTM), Malaysia
1010 – 1015	SC20: Preliminary investigations of insecticide resistance status on Malaysian populations of the mosquito <i>Culex tritaeniorhynchus</i> Mr. Shitta Kefas Babale, Universiti Sains Malaysia (USM), Malaysia
1015 – 1020	SC21: Protein profiling of <i>Aedes aegypti</i> treated with <i>Streptomyces</i> sp. KSF103 ethyl acetate extract Ms. Tan Ker Shien, Universiti Malaya (UM), Malaysia
1020 – 1025	SC22: A review on the use of different blood sources and components in the artificial membrane feeding system and its effects on feeding and egg production in <i>Aedes aegypti</i> Ms. Yuvarahnee A/P Suresh, Universiti Kebangsaan Malaysia (UKM), Malaysia
1025 – 1030	Wrap-up Session by Chair
1030 – 1100	Morning Tea Break

1100 – 1130	<p>KEYNOTE 2: Chair: Dr. Lucas Low Van Lun, Universiti Malaya, Malaysia</p> <p>The Impacts of Climate Change on Public Health and Urban Pest Management Prof. Dr. Lee Chow Yang Professor & Endowed Presidential Chair in Urban Entomology, University of California, Riverside, USA</p>
1130 – 1145	<p>ACCUFLEX Sponsored Session Chair: Dr. Cheong Fei Wen, Universiti Malaya, Malaysia</p>  <p>Combining Crude Extraction with Inhibitor Tolerant Master Mixes for Simple and Sensitive Pathogen Detection Dr. Ishna Mallison Business Manager AMEA (Quantabio)</p>
1145 – 1255	<p>ORAL PRESENTATION SESSION 5: MALARIA Chair: Dr. Cheong Fei Wen, Universiti Malaya, Malaysia</p>
1145 – 1155	<p>OP23: Evolution of extrachromosomal genomes in divergent subpopulations of <i>Plasmodium knowlesi</i> Dr. Paul Cliff Simon Divis, Universiti Malaysia Sarawak (UNIMAS), Malaysia</p>
1155 – 1205	<p>OP24: Generation of genetically engineered Kelch-13 protein mutations in antimalaria drug resistance study using CRISPR-Cas9 system Ms. Nur Jannah Binti Zulkefli, Institute for Medical Research (IMR), Malaysia</p>
1205 – 1215	<p>OP26: Human and simian <i>Plasmodium</i> species infection in Indonesian Kalimantan provinces bordering Malaysian Borneo Dr. Diana Natalia, Universiti Malaysia Sarawak (UNIMAS), Malaysia</p>
1215 – 1225	<p>OP27: Relapsing vivax malaria with frequent vomiting in a 33-year-old woman: A case report Ms. Najma Nusaibah, Universitas Sebelas Maret, Indonesia</p>
1225 – 1235	<p>OP28: Validation of artemisinin-resistant Kelch 13 mutation in <i>Plasmodium falciparum</i>: Utilisation of CRISPR-Cas9 transgenic parasite and ring stage survival assay Dr. Noor Azian Binti Md Yusuf, Institute for Medical Research (IMR), Malaysia</p>
1235 – 1245	<p>OP29: Exposure to <i>Plasmodium falciparum</i> and <i>Plasmodium vivax</i> among indigenous communities in Kelantan, Malaysia Dr. Zulkarnain Bin Md Idris, Universiti Kebangsaan Malaysia (UKM), Malaysia</p>
1245 – 1400	<p style="text-align: center;">Lunch Break</p>
1400 – 1530	<p>ORAL PRESENTATION SESSION 6: MICROBIOLOGY & PARASITOLOGY Chair: Dr. Nor Azlina Abdul Aziz, Universiti Putra Malaysia</p>
1400 – 1410	<p>OP30: Neutrophil-to-lymphocyte ratio as a predictive factor of length of stay in hospitals for COVID-19 inpatients in Surakarta Mr. Yudhistira Andarusukma, Universitas Sebelas Maret, Indonesia</p>
1410 – 1420	<p>OP31: Chikungunya imported to the Czech Republic Dr. Frantisek Stejskal, Regional Hospital Liberec, Czech Republic</p>

1420 – 1430	OP32: Seroprevalence of bluetongue virus in ruminants in Al-Batinah governorate, Oman Dr. Haythm Alieldin Abdelbaset Ali, Sultan Qaboos University, Oman
1430 – 1440	OP33: Weil's Disease with acute kidney injury, and severe hypocalcemia in a 30-year-old woman: A case report Ms. Atika Sri Raharjani, Universitas Sebelas Maret, Indonesia
1440 – 1450	OP34: Mycotoxins contamination of indoor air in selected healthcare clinics in Malaysia Dr. Noraishah Binti Mohammad Sham, Institute for Medical Research (IMR), Malaysia
1450 – 1500	OP35: Dynamic changes in gut microbiome in relation to helminth infection and the effect of anthelmintic treatment Ms. Tee Mian Zi, Universiti Malaya (UM), Malaysia
1500 – 1510	OP36: Updates on validation studies of a new rapid test for strongyloidiasis Prof. Dr. Rahmah Binti Noordin, Universiti Sains Malaysia (USM), Malaysia
1510 – 1520	OP37: Comparison between IgG-ELISA and IgG4-based lateral flow (SsRapid) assays for the diagnosis of <i>Strongyloides</i> infection in immunocompromised patients Assoc. Prof. Dr. Emelia Binti Osman, Universiti Kebangsaan Malaysia (UKM), Malaysia
1520 – 1530	OP38: A pilot survey of <i>Strongyloides stercoralis</i> infection in Central Kalimantan Dr. Helena Ulyyartha Pangaribuan, The National Research and Innovation Agency, Indonesia
1530 – 1540	OP39: Production and characterization of <i>Toxocara canis</i> -specific recombinant monoclonal antibody proteins Dr. Anizah Binti Rahumatullah, Universiti Sains Malaysia (USM), Malaysia
1540 – 1550	OP40: Antigenicity study of <i>Enterocytozoon bieneusi</i> recombinant protein and reactivity of its polyclonal antibodies toward <i>Encephalitozoon cuniculi</i> Ms. Putri Sabrina Binti Mohamed Yusoff, Universiti Kebangsaan Malaysia (UKM), Malaysia
1550 – 1620	PLENARY 4: <i>Chair: Dr. Mehru Nisha, Universiti Kuala Lumpur (UniKL), Malaysia</i> Tick-Borne Pathogens and the Neglect of Related Diseases in Malaysia Dr. Mariana Ahamad <i>Head, Unit of Acarology, Institute for Medical Research (IMR) @ National Institutes of Health (NIH) Malaysia</i>
1620 – 1650	PLENARY 5: <i>Chair: Dr. Paul Cliff Simon Divis, Universiti Malaysia Sarawak (UNIMAS), Malaysia</i> Pathophysiology of Plasmodium vivax Malaria Prof. Dr. J. Kevin Baird <i>Oxford University Clinical Research Unit Indonesia</i>
1650 – 1700	Closing Ceremony Results Announcement for Rapid Oral Presentation – Student Competition Closing Remarks by Dr. Chen Chee Dhang, President, 59 th Council of MSPTM (2022 – 2023)
1700	Farewell Afternoon Tea

POSTER PRESENTATION

PP01:

Tropical capsaicin hydrogel skin patch with potential pain relieving; one group pretest and posttest clinical trials study

Ms. Chutharat Thanchonnang, Suranaree University of Technology, Thailand

PP02:

Analysis of insecticide susceptibility data for dengue vectors using Insecticide Resistance Management System (IRMS)

Ms. Rosilawati Rasli, Institute for Medical Research (IMR), Malaysia

PP03:

Metabolic resistance mechanism in *Aedes aegypti*, the main dengue vector in Malaysia

Dr. Intan Haslina Bt. Ishak, Universiti Sains Malaysia (USM), Malaysia

PP04:

Autophagy dysregulation in placental malaria: An updated review

Ms. Jeyanthi Jeyarajah, International Medical University (IMU), Malaysia

PP05:

Current status of intestinal parasitic infections among Orang Asli communities in Pos Kemar, Perak

Ms. Nursyahidatul Azwa Binti Awang, Institute for Medical Research (IMR), Malaysia

PP06:

Determination of antimalarial molecular markers: current situation in Malaysia

Ms. Ruhayatun Naimah Binti Nasarudin, National Institute of Health Malaysia (NIH), Malaysia

PP07:

Simian *Plasmodium* infections in asymptomatic humans from high-risk areas for zoonotic malaria transmission in Sarawak, Malaysian Borneo

Ms. Khamisah Bt Abdul Kadir, Universiti Malaysia Sarawak (UNIMAS), Malaysia

PP08:

Retrospective analysis of *Acanthamoeba* keratitis (AK) cases referred to Faculty of Medicine, UKM from the year 2004 to 2019

Dr. Anisah Binti Nordin, Universiti Kebangsaan Malaysia (UKM), Malaysia

PP09:

Prevalence of Intestinal microsporidiosis, potential risk factors, and molecular epidemiological characteristics of microsporidia amongst refugee children in Selangor

Mr. Abang Haziq Bin Abang Ismail, Universiti Putra Malaysia (UPM), Malaysia

PP10:

High sensitively diagnosis of gastrointestinal parasitic infections by fully automatic feces analyzer

Ms. Alisa Boonsuya, Suranaree University of Technology, Thailand

PP11:

High prevalence of opportunistic protozoa among immunocompromise population in Malaysia, with and without intestinal presentations

Ms. Nurhainis Binti Ogu Salim, Institute for Medical Research (IMR), Malaysia

PP12:

Prevalence of *Trichomonas vaginalis* by Polymerase Chain Reaction based molecular method among symptomatic women from Northern India

Prof. Dr. Sunil Sethi, Post Graduate Institute of Medical Education & Research (PGIMER), India

PP13:

Analyses of various metabolic compound from helminth worms for anti- cancer property

Ms. Nurul Nadiah Binti Ab Talib, Universiti Kuala Lumpur - Institute of Medical Science Technology (UniKL MESTECH), Malaysia

PP14:

The efficacy of different traps and methods for collecting potential Zika mosquito vectors in Malaysia

Ms. Roziah Binti Ali, Institute for Medical Research (IMR), Malaysia

<p>PP15: The stability and efficacy of encapsulated <i>Citrus aurantifolia</i> fruit peel (CAFP)-synthesized nanoparticles against larva stage of <i>Aedes aegypti</i> during storage Ms. Siti Nor Sakinah Binti Saudi, Universiti Putra Malaysia (UPM), Malaysia</p>
<p>PP16: A survey of flies diversity in domestic pig farms in three states in Malaysia using fly trap 'Perangkap Kain Biru' Mr. Erwanas Asmar Bin Ismail, Veterinary Research Institute (VRI), Malaysia</p>
<p>PP17: <i>Babesia microti</i> confers cross-protective immunity against malaria in rodent model Prof. Dr. Xuenan Xuan, Obihiro University of Agriculture and Veterinary Medicine, Japan</p>
<p>PP18: Prevalence of parasitic infections with zoonotic potential in Tilapia in selected farms in Borneo, Sarawak Mr. Arvind Marcus, Universiti Putra Malaysia (UPM), Malaysia</p>
<p>PP19: Susceptibility of Mafriwal cattle to haemoparasite infections Dr. Basripuzi Nurul Hayyan Binti Hassan Basri, Universiti Malaysia Kelantan (UMK), Malaysia</p>
<p>PP20: Coccidiosis in goats in Perak from 2017-2021 Dr. Aisyah Munira binti Mohd Amir, Veterinary Research Institute (VRI), Malaysia</p>
<p>PP21: Cattle fascioliasis in Perak diagnosed in Veterinary Research Institute (VRI), Ipoh: year 2018 to 2022 Dr. Fazly Ann binti Zainalabidin, Veterinary Research Institute (VRI), Malaysia</p>
<p>PP22: Common parasitic infections in cats diagnosed by Veterinary Research Institute from 2018 to 2022 Ms. Premaalatha A/P Bathmanaban, Veterinary Research Institute (VRI), Malaysia</p>



59TH ANNUAL SCIENTIFIC CONFERENCE OF THE MALAYSIAN SOCIETY OF PARASITOLOGY & TROPICAL MEDICINE

15 - 16 March 2023 | The Wembley Hotel, Penang

Conference Theme

PLANETARY HEALTH FRAMEWORKS IN TACKLING CHALLENGES
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