

DANNY DANIEL CASTILLO VIZUETE

A. GENERAL INFORMATION

Postdoctoral fellowship at the University of Transylvania in Brasov, Romania (duration 1 year - 2022-2023).

Doctorate:

Ph.D. in the field Forestry, Transylvanian University of Brasov, Romania - year 2020 (Magna Cum Laude Mention) (Registration Number: 6422171524)

Thesis: "Evaluation of the Capacity of Polylepis Forest to Provide Cultural Ecosystem Services and Income for its Conservation Measures in the Framework of Chimborazo Natural Reserve's Landscape"

Fourth level:

Master's Degree in Formulation, Evaluation and Management of Development Projects, Higher Polytechnic School of Chimborazo (ESPOCH), Ecuador – 2015 (Registration Number: 1002-15-86065221)

Third level:

Ecotourism Engineer, ESPOCH, Ecuador - 2011 (Registration Number: 1002-11-1056937)

Professional Tourist Guide, ESPOCH, Ecuador - 2011 (Registration Number: 1002-11-1056125)

Training of Trainers, CECAIL CIA.LTDA., Ecuador - Year 2021-2026 (SETEC Registration Number: MDT-4112-CCL-266489)

Contact:

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Current ranges:

Director of the Forestry
Engineering Program at ESPOCH
(October 2023 – present).

Associate Professor at the Faculty
of Natural Resources - ESPOCH,
Ecuador

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Research lines

Sustainable development; local
development; ecosystem services
and tourism.

Web Lab -Danny Castillo:

<https://investigacionacademica0.webnode.ec/>

B. RECOGNITION AND OUTSTANDING ACHIEVEMENTS

Year	Awards and achievements	Awarded by
2025	Included in the International Professional Register of Engineering Educators - ENTER, registration Number: 2311006218 on 01/20/2025, registration level: Outcomes-based Educator, area of expertise: Engineering Educator.	Professional Engineering Educators Registry
2025	Ranking #4 in the World Scientist and University Rankings 2025. AD Scientific Index ID: 4648110	AD Scientific Index
2022	Recognition for the excellent contribution to scientific research at the Faculty of Natural Resources	ESPOCH - Ecuador
2022	Winner of the Postdoctoral Scholarship at the Transilvania University of Brasov, Romania	Universidad de Transilvania de Brasov, Rumania
2021	Outstanding Researcher Recognition, within the IDIPI - 222 Project: "Sustainable Tourism Products as a strategy for the economic development of the rural parishes of the Riobamba canton, Chimborazo province"	ESPOCH - Ecuador
	Honorary certification for excellent academic performance, obtained in the following periods: September 2025 – February 2026, with 100 points; March 2025 – July 2025, with 100 points; October 2024 – February 2025, with 100 points; April 2024 – August 2024, with 100 points;	ESPOCH - Ecuador

Year	Awards and achievements	Awarded by
	October 2023 – March 2024, with 100 points; April 2023 – August 2023, with 99.67 points; October 2022 – March 2023, with 99.26 points; April 2022 – September 2022, with 100 points; October 2021 – March 2022, with 100 points; and April 2021 – September 2021, with 100 points.	
2020	Magna Cum Laude in the Forestry doctoral program. PhD awarded by the Transylvanian University of Brasov, Romania in the doctoral program.	Universidad de Transilvania de Brasov, Rumania
2016	Winner of the Erasmus+ Scholarship, 2015-2016 Call awarded by the European Union to carry out internships at Transilvania University of Brasov, Romania within the framework of the Interinstitutional Cooperation Agreement between ESPOCH, Ecuador and Transilvania University	ESPOCH - Ecuador y Universidad de Transilvania de Brasov, Rumania

C. WORK EXPERIENCE

Post	Institution	Date
Director of the Forestry Engineering program	ESPOCH	October 2023 - present
Researcher (Research Stay)	University of Georgia (UGA)	2023-2024-2025
Associate Professor	ESPOCH	May 2, 2014 - present
Planning and Land Management Technician	Autonomous Decentralized Rural Parish Government of Pistishi	June 5, 2012 - April 30, 2014
Teaching	Higher Technological Institute of the Republic of Germany "ISTRA"	September 2011 – April 2012
Teaching	Salesian Educational Unit Saint Thomas the Apostle	September 14, 2011 - April 14, 2012

D. SCIENTIFIC PUBLICATIONS

* Denotes publication in journals indexed by ISI

** Denotes inclusion in journals indexed in other international databases

§ Denotes publications as a corresponding author

a. Journal articles (Total since hiring in 2014: 35)

1. *Castillo, D., Román, G., Gavilanes, A., Cordova, J., Borz, S., & Woosnam, K. (2026). A design of ecotourist routes using GIS StoryMaps in Riobamba, Ecuador: connecting the urban to the rural. *Journal of Ecotourism*, 1-28. <https://doi.org/10.1080/14724049.2026.2668730>
2. *Gavilanes, A., Castillo, D., Hollas, C., Woosnam, K., Ribeiro, M., Chávez, C., & Sarmiento, F. (2025). Sociodemographic and socioeconomic heterogeneity in considering residents' empowerment from ecotourism. *Journal of Ecotourism*, 1-17. <https://doi.org/10.1080/14724049.2025.2449963>
3. *Castillo, D., Gavilanes, A., Woosnam, K., Ribeiro, M., Chávez, C., Sarmiento, F., & Hollas, C. (2024). Intention to engage in ecotourism development: validation and extension of the Resident Empowerment through Tourism Scale (Version 2.1). *Current Issues in Tourism*, 1-17. <https://doi.org/10.1080/13683500.2024.2343777>
4. *Mestanza, C., Jiménez, S., Cedeño, J., Villamar, K., Gavilanes, A., Castillo, D., & Straface, S. (2024). Risks to Human Health from Mercury in Gold Mining in the Coastal Region of Ecuador. *Toxics*, 12(5), 323. <https://doi.org/10.3390/toxics12050323>
5. *Mestanza, C., Jiménez, S., Gavilanes, A., Castillo, D., D'Orio, G., Cedeño, J., & Straface, S. (2023). Human health risk assessment due to mercury use in gold mining areas in the Ecuadorian Andean region. *Chemosphere*, 344, 140351. <https://doi.org/10.1016/j.chemosphere.2023.140351>
6. §*Gavilanes, A., Castillo, D., & Marcu, M. (2023). Exploring the Role of ICTs and Communication Flows in the Forest Sector. *Sustainability*, 15(14), 10973. <https://doi.org/10.3390/su151410973>
7. *Mestanza, C., Jiménez, S., Gavilanes, A., Castillo, D., D'Orio, G., Cedeño, J., & Straface, S. (2023). Assessment of Hg pollution in stream waters and human health risk in areas impacted by mining activities in the Ecuadorian Amazon. *Environmental Geochemistry and Health*, 1-15. <https://doi.org/10.1007/s10653-023-01597-6>
8. *Castillo, D., Gavilanes, A., Chávez, R., & Borz, S. (2023). A critical review on the perspectives of the forestry sector in Ecuador. *Land*, 12(1), 258. <https://doi.org/10.3390/land12010258>
9. *Castillo, D., Gavilanes, A., & Román, G. (2022). Evaluation of the Importance of rural tourist attractions in Riobamba Canton, Ecuador. *Environment Systems and Decisions*. <https://doi.org/10.1007/s10669-022-09871-1>
10. §*Gavilanes, A., Castillo, D., & Borz, S. (2021). Perceptions of Local Inhabitants towards Land Management Systems Used in the Rainforest Area of Ecuador: An Evaluation Based on Visual Rating of the Main Land Use Types. *Diversity*, 13(11), 592. <https://doi.org/10.3390/d13110592>
11. *Castillo, D., Gavilanes, A., Muñoz, E., Chávez, C., & Borz, S. (2021). An Evaluation of the Importance of Smart Tourism Tools in the Riobamba Canton, Ecuador. *Sustainability*, 13 (16). <https://doi.org/10.3390/su13169436>

12. §*Gavilanes, A., Esparza, J., Chávez, C., Tito, P., Parra, M., Mestanza, C., & **Castillo, D.** (2021). A Nature tourism route through GIS to Improve the Visibility of the Natural Resources of the Altar Volcano, Sangay National Park, Ecuador. *Land*, 10 (8). <https://doi.org/10.3390/land10080884>
13. §***Castillo, D.**, Gavilanes, A., Chávez, R., Benalcázar, P., Mestanza, C. (2021). Design of Nature Tourism Route in Chimborazo Wildlife Reserve, Ecuador. *International Journal of Environmental Research and Public Health*, 18(10), 5293. <https://doi.org/10.3390/ijerph18105293>
14. ****Castillo, D.**, Gavilanes, A., (2020). Challenges Faced by the Ecuadorian Forests and Forest Industry. *Revista Pădurilor*, 135(4), 1-18. http://revistapadurilor.com/wp-content/uploads/2017/09/Art.-1_-4_2020.pdf
15. ****Castillo, D.**, Chávez, C., Marcu, V., Gavilanes, A. (2020). The use of cultural ecosystem services: a comparison between locals and tourists in the Chimborazo Natural Reserve. *Bulletin of the Transilvania University of Braşov, Series II-Forestry, Wood Industry, Agricultural Food Engineering*, 13(62), 1–18. <https://doi.org/10.31926/but.fwiafe.2020.13.62.2.1>
16. § **Gavilanes, A., **Castillo, D.**, Esparza, F., Chávez, C., Muñoz, E., Quinchuela, F., Román, G. (2020). Current situation of tourism in Ecuador: challenges and opportunities. *Green World Journal*, 3, 1–11. doi: <https://www.greenworldjournal.com/doi-030-gwj-2020>
17. ***Castillo, D.**, Gavilanes, A., Ricaurte, C., Chávez, R., Marcu, M., & Borz, S. (2019). Perception and use of cultural ecosystem services among the Andean Communities of Chimborazo Reserve. *Environmental Engineering and Management Journal*, 18(12). <https://eemj.eu/index.php/EEMJ/article/view/4021>
18. **Gavilanes, A., **Castillo, D.**, Morocho, J., Marcu, M. & Borz, S. (2019). Importance and use of ecosystem services provided by the Amazonian landscapes in Ecuador -evaluation and spatial scaling to a representative area. *Bulletin of the Transilvania University of Brasov. Forestry, Wood Industry, Agricultural Food Engineering. Series II*, 12(2), 1-26. <https://doi.org/10.31926/but.fwiafe.2019.12.61.2.1>
19. *Borz, S., Talagai, N., Cheța, M., Chiriloiu, D., Gavilanes, A., **Castillo, D.**, & Marcu, M. (2019). Physical Strain, Exposure to Noise and Postural Assessment in Motor-Manual Felling of Willow Short Rotation Coppice: Results of a Preliminary Study. *Croatian Journal of Forest Engineering*, 40(2), 377-388. <https://doi.org/10.5552/crojfe.2019.550>
20. **Gavilanes, A., **Castillo, D.**, Ricaurte, C., & Marcu, M. (2019). Known and newly documented uses of rainforest plant species in the Pastaza region, Ecuador. *Bulletin of the Transilvania University of Brasov. Forestry, Wood Industry, Agricultural Food Engineering. Series II*, 12(1), 35-42. <https://doi.org/10.31926/but.fwiafe.2019.12.61.1.3>
21. Talagai, N., Cheța, M., Gavilanes, A., **Castillo, D.**, & Borz, A. (2019). Predicting time consumption of chipping tasks in a willow short rotation coppice from GPS and acceleration data. In *Proceedings of the Biennial International Symposium" Forest and sustainable development"*, Braşov, Romania, 25-27 October 2018 (pp. 1-12). Transilvania University Press. <https://n9.cl/9pfn0>
22. *Borz, S., Talagai, N., Cheța, M., Gavilanes, A., & **Castillo, D.** (2018). Automating data collection in motor-manual time and motion studies implemented in a willow short rotation coppice. *BioResources*, 13(2), 3236-3249. <https://ojs.cnr.ncsu.edu/index.php/BioRes/article/view/13563>
23. § ****Castillo, D.**, Jara, C., Ricaurte, C., Vaca, E., & Quevedo, L. (2018). Photosynthetic activity and canopy height model determined by UAV RGB and ir close-range remote-sensing in the high Andean Polylepis relict forest, Ecuador. *Bulletin of the Transilvania University of Brasov. Forestry, Wood Industry, Agricultural Food Engineering. Series II*, 11(1), 1-16. <https://n9.cl/m7jp6>
24. § ****Castillo, D.**, Quevedo, L., & Román, G. (2018). Aprovechamiento Turístico De Los Recursos Naturales. Estudio De Caso: Hacienda La Primavera, Quinsaloma – Ecuador. *Turismo y Desarrollo Local*, (25). <https://dialnet.unirioja.es/servlet/articulo?codigo=7773512>
25. **Salas, D.B., Gavilanes, A.V., Araús, A.B., **Castillo, D.**, Borz, S.A., (2017). Determination of ecological indexes to support the conservation of forest species in “Jacarón” natural forest. *Revista Pădurilor*, 132 (3): 3-12. <https://www.cabdirect.org/cabdirect/abstract/20193155941>
26. ****Castillo, D.**, Carrasco, J., Quevedo, L., Ricaurte, C., Gavilanes, A., & Borz, S. (2017). Diversity, composition and structure of Andean high forest in Ecuador, South America. *Bulletin of the Transilvania University of Brasov. Forestry, Wood Industry, Agricultural Food Engineering. Series II*, 10(2), 1-16. http://webbut.unitbv.ro/bulletin/Series%20II/2017/BULETIN%20II/01_Castillo-MARE.pdf
27. **Pacheco, E., Merino, C., **Castillo, D.**, Molina, L., & Romero, G. (2017). Agrobiodiversidad En La Comunidad Joyagshi, Chunchi-Ecuador. *European Scientific Journal*, 13(33). doi: 10.19044/esj.2017.v13n33p53
28. **Román, G., Zurita, M., Fonseca, G., **Castillo, D.**, & Quevedo, L. (2017). La Potencialidad Turística En Los Proyectos De Turismo Rural Comunitario. *European Scientific Journal*. 13(20). doi: 10.19044/esj.2017.v13n20p219
29. **Zurita, M., Román, G., Fonseca, G., Quevedo, L., & **Castillo, D.** (2017). Turismo Rural Comunitario, Una Alternativa Para El Desarrollo De Los Territorios Rurales Estudio De Caso: Guasuntos, Ecuador. *European Scientific Journal*. 13(17). doi: 10.19044/esj.2017.v13n17p40
30. **Fonseca, G., **Castillo, D.**, Ricaurte, C., & Quevedo, L. (2017). Modelo De Gestión: Una Alternativa De Cambio Para La Producción Y Comercialización. Estudio De Caso: Mora En La Parroquia El Altar, Ecuador. *European Scientific Journal*. 13(13). doi:10.19044/esj.2017.v13n13p492
31. **Fonseca, G., **Castillo, D.**, & Quevedo, L. (2017). Mora: ¿Fuente De Ingresos Para Productores Y Comercializadores? Un Enfoque Desde El Análisis De La Dinámica Del Mercado De Las Familias De La Ciudad De Riobamba. Estudio De Caso: Parroquia El Altar, Ecuador. *European Scientific Journal*. 13(7). doi: 10.19044/esj.2017.v13n7p399
32. **Quevedo, L., Peñafiel, I., **Castillo, D.**, & Samaniego, W. (2017). Modelo de gestión basado en el marketing mix para las hosterías del cantón Morona-Provincia de Morona Santiago. *European Scientific Journal*. 13(5). doi: 10.19044/esj.2017.v13n5p252
33. § ****Castillo, D.**, & Quevedo, L. (2016). El desarrollo humano sostenible en los proyectos de turismo rural comunitario. *Turismo y Desarrollo Local*, (20). <https://www.eumed.net/rev/tyrudes/20/nariz-diablo.html>
34. ****Castillo, D.**, Aguirre, C. M., & Romero, F. C. (2015). Turismo un aporte al buen vivir comunitario en territorios andinos rurales ecuatorianos. Estudio de caso: Qhapaq Ñan- Pistishí Nariz del Diablo. *European Scientific Journal*, 11(20). <https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.829.2876&rep=rep1&type=pdf>
35. § ****Castillo, D.**, Flores, C., Zurita, M., & Román, G. (2015). Turismo rural comunitario un medio para la acción pública para el ser humano y la vida. Estudio de caso: producto turístico rural comunitario, Pistishí -Nariz del Diablo, en Ecuador. *European Scientific Journal*, 11(14). <https://eujournal.org/index.php/esj/article/view/5685/5438>

b. Books (Total since its hiring in 2014: 6)

1. **Castillo, D.**, Muñoz, E., Román, G. (2023). "Productos Turísticos: Concepción y Diseño. Tomo 1. Rutas para potenciar los recursos naturales". ISBN: 978-9942-45-140-8. Ecuador.
2. **Castillo, D.**, Gavilanes, A., & Borz, S. (2021). "Atlas turístico rural del cantón Riobamba". ISBN: 978-9942-40-447-3. Ecuador.
3. **Castillo, D.**, Chávez, R., Cajas, C., Ricaurte, C., Jara, C., & Carrasco, J. (2019). "Caracterización florística y faunística del bosque de Polylepis de la Reserva de Producción de Fauna Chimborazo, para el aprovechamiento en el ecoturismo". Publicación Freire (revisión por pares del libro). ISBN: 978-9942-801-13-5. Ecuador.
4. **Castillo, D.**, Miranda, S., Jara, C., & Quevedo, L. (2018). "Cartografía patrimonial y de turismo comunitario. Provincia de Chimborazo". Libro, revisión por pares. ISBN: 978-9942-35-531-7. Ecuador.
5. **Castillo, D.**, & Fonseca, G. (2018). "Modelo de gestión para dinamizar emprendimientos rurales. Aplicación basada en la producción de mora de la parroquia El Altar - Chimborazo - Ecuador". Editorial Academia Española. ISBN: 978-613-8-99893-8.
6. **Castillo, D.**, & Quevedo, L. (2016). "Evaluación del desarrollo en los proyectos de turismo comunitario. Estudio de caso: Pistishí - nariz del diablo, Chimborazo - Ecuador". Editorial Academia Española. ISBN: 978-3-8417-5121-8.

c. Artículos y libros en revisión / en proceso de publicación

1. **Castillo, D.**, Román, G., Córdova J., & Gusniay, W. (2026). Modelo de decisión espacial multicriterio basado en Sig Para la planificación del turismo: estudio de caso Riobamba, Ecuador. (en preparación).
2. **Román, G.**, Gusniay, W., & Castillo, D. (2026). Aplicación de Google My Maps, Google Earth y QGIS en el diseño de rutas turísticas: un análisis comparativo. estudio de caso Riobamba - Ecuador (en publicación).

E. TEACHING ACTIVITY

May 2014 - present.

Associate Professor - ESPOCH

Scientific Research, Introduction to Forest Sciences, Watershed Management, Entrepreneurship, Public Administration, Hydrology, Tourism, Cultural and Environmental Legislation, Governance, Tourism and Environmental Legislation, Research Methodology, Governance and Public Management Systems, Administration, Design and Marketing of Tourism Products, Management of Tourism Enterprises, Tourism Business Management, Projects I (Development), Projects II (Evaluation), Tourism Geography, Scientific Research, Participatory Methodologies, Study Techniques, Labor and Business Legislation, Tourism Geography of Ecuador, Tourism Biogeography.

September 2011 – April 2012

Professor - Higher Technological Institute of the Republic of Germany "ISTRA"

Protected Area Management, Regional and Tourism Development, English I, English II and English V.

F. ACADEMIC MANAGEMENT ACTIVITIES

1. Director of the Forestry Engineering Program (October 2023 – present).
2. Delegate to the Publications Office of the Faculty of Natural Resources (December 2020 – December 2023).
3. Member of the Forestry Engineering Program Committee. Area: Curriculum Integration (September 2022 – March 2023).
4. Member of the Forestry Engineering Program Committee. Area: Basic Unit (April 2022 – September 2022).
5. Member of the Tourism Program Committee. Area: Curriculum Integration Unit (October 2021 – March 2022).
6. Appointment as Chair of the peer evaluator for teaching and research in the comprehensive performance evaluation process for academic staff (April – September 2021).
7. Member of the Renewable Natural Resources Engineering Program Committee. Area: Curriculum Integration Unit. (April - September 2021).
8. Member of the Renewable Natural Resources Engineering Program Committee. Area: Curriculum Integration Unit. (October 2020 - March 2021).
9. Member of the Renewable Natural Resources Engineering Program Committee. Area: Theoretical Foundations. (April - August 2018).
10. Member of the Renewable Natural Resources Engineering Program Committee. Area: Theoretical Foundations. (October 2017 - March 2018).
11. Member of the Graduation Unit for the Ecotourism Engineering/Bachelor's Degree Program. (April - August 2017).
12. Prepared the Annual Operating Plan and Procurement Plan (POA and PAC) for the Faculty of Natural Resources (2016).
13. Prepared the Annual Operating Plan and Procurement Plan (POA and PAC) for the Faculty of Natural Resources (2015).
14. Participated in the Academic Management area as a member of the Specific Basic and Professional Academic Area of the Ecotourism Engineering Program (March - August 2014).

G. CONFERENCIAS, PONENCIAS

* Lectures given

** Conferences attended

1. *Panelist at the Tenth Global Conference of the International Partnership for the Satoyama Initiative (IPSI-10), with the presentation on sustainable tourism within the framework of the project “Tourism Perspectives in Chimborazo Natural Reserve, Ecuador”; developed at ESPOCH, Riobamba, Ecuador. (March 3-5, 2026). <https://n9.cl/jvuamf>
2. * Speaker at the Lecture Series held at the University of Georgia, as part of the Science, Technology, Entrepreneurship and Innovation Week – SECTEI International 2025, an event organized by ESPOCH and the University of Georgia (UGA). United States, October 6-10, 2025. <https://n9.cl/ash3a>
3. ** Participant in the Lecture Series held at the University of Georgia, as part of the Science, Technology, Entrepreneurship and Innovation Week – SECTEI International 2025, organized by ESPOCH and the University of Georgia (UGA). United States, from October 6 to 10, 2025, with a duration of 120 academic hours.. <https://n9.cl/ash3a>
4. * Panelist at the Conversation “Forestry Education in Ecuador: Analysis from Academia”, an event organized by the Forestry Guilds of Ecuador, with the participation of the coordinators of the Forestry Engineering programs from the country's universities; held virtually through the Microsoft Teams platform. (September 22, 2025). <https://n9.cl/05vvr>
5. ** Workshop for Experts and Preparation “Quality Assurance and Eur-Ace International Accreditation of Engineering Education Programs”, given by the ENTER Network (European Project of which LACCEI is an ally), in Mexico City, Mexico. (July 14-16, 2025). <https://n9.cl/gazrtw>
6. ** First Workshop on Strengthening Capacities for the Comprehensive Rural Development of the Productive Sector of the province of Chimborazo, held within the framework of the Week of Science, Technology, Entrepreneurship and Innovation — SECTEI ESPOCH 2023, held in the Auditorium of the Prefecture of Chimborazo, Riobamba, Ecuador. (October 25-27, 2023).
7. * International Workshop “Ecological Legacies and Ethnotourism: the link between community and science”, with the theme “Investment in tourism contrasted with the development of community tourism”, held at the Orellana Campus of the Higher Polytechnic School of Chimborazo (ESPOCH), Puerto Francisco de Orellana, El Coca, Orellana Province, Ecuador. (May 19 and 20, 2023). <https://n9.cl/gyeg2>
8. * Conference at the Annual Neotropical Montology Collaboratory (NMC) at the School of Ecology, University of Georgia (UGA), Athens – United States of America, Franklin College of Arts and Sciences. Department of Geography. (January 2022).
9. **International Conference on Economics, Business, Tourism & Social Sciences (ICEBTS 2022). En el International Institute of Academic Research & Publication (IIARP), held in Shanghai, China. (enero 2022)
10. * Conferences of the Forestry Engineering program for the Institutional Anniversary on: “International Postgraduate Opportunities for Forestry Teachers and Students”. (May 2021).
11. * Conferences of the Forestry Engineering program for the Institutional Anniversary on: “Perception and use of cultural ecosystem services and income for their conservation measures within the landscape of the Chimborazo Natural Reserve”. (May 2021).
12. * Training sessions for the Renewable Natural Resources Engineering program for the Institutional Anniversary on: management of methods and techniques for the investigation of renewable natural resources in the territories and populations of Ecuador with the theme "Perception and use of cultural ecosystem services and income for their conservation measures within the landscape of the Chimborazo Natural Reserve". (April 2021).
13. * *8th Biennial International Symposium on Forests and Sustainable Development, Brasov, with the theme: “Predicting the Time Consumption of Wood Chipping Tasks in a Willow Coppice Using Global Positioning System and Acceleration Data.” (January 2019).
14. * 8th Edition Biennial International Symposium on Forest and Sustainable Development, Brasov, with the theme: “Prediction of the time consumption of chipping tasks in a willow coppice from the Global Positioning System and acceleration data”. (January 2019). <https://n9.cl/9pfn0>
15. * III International Congress of Science, Technology and Environmental Engineering, with the theme: “The tourism potential for the design of tourism products in the Guasuntos parish, Alausí - Ecuador”. (October 2018).
16. *51st edition of the annual international symposium on forest mechanization FORMEC 2018, with the theme: “Physical effort, noise exposure and postural assessment of motor-manual felling of willow coppice with brushcutters”, a topic of relevance in Mediterranean countries, Madrid. (September 2018).
17. * V International Congress of Science, Technology, Entrepreneurship and Innovation 2018, with the theme: “Characterization of the ecosystem services of the Polylepis forest, of the Chimborazo Fauna Production Reserve”. (June 2018).

H. COURSES TAUGHT

Dates	Denomination	Course	Hours
October 2022 to March 2023	Teaching, coordination and evaluation of the subjects designated for the Local Tourist Guide Course, 6th cohort	Tourist System	40
May 18 to July 22, 2022	Delivery, coordination and evaluation of the subjects designated for the Local Guide Course aimed at applicants from the Gads of Cumandá, Ambato and Guaranda	Tourist System	40
June to August 2021	Delivery, coordination and evaluation of the subjects designated for the Local Guide Course aimed at applicants from the Riobamba canton	Professional Ethics and the Tourism System	56

Dates	Denomination	Course	Hours
August 2nd to August 13th, 2021	For having taught the Professional Development course	Development of Tourism Projects for Professional Strengthening	40
April 26-28, 2021	Training sessions on: management of methods and techniques for the investigation of renewable natural resources in the territories and populations of Ecuador	Perception and use of cultural ecosystem services and income for their conservation measures within the landscape framework of the Chimborazo Natural Reserve	40
November to December 2020	Delivery, coordination and evaluation of the subjects designated for the Local Guide Course aimed at applicants from the Guaranda canton	Professional Ethics and the Tourism System	56
September 18-22, 2018	Facilitator of training in the Rural Decentralized Autonomous Parish Government of Pistishí, and community leaders of the parish	Public governance and management systems	42
September 10-14, 2018	Facilitator of training in the Rural Decentralized Autonomous Parish Government of Pistishí, and community leaders of the parish	Tourist Destination Management	35
August 27 to 31, 2018	Facilitator of the training at the Rural Decentralized Autonomous Parish Government of Pistishí, and community leaders of the parish	Management and administration of hospitality and food handling	33
February 28 to March 23, 2018	Degree work support course	Project formulation	48
August 28 to September 01, 2017	Facilitator of the training at the Rural Decentralized Autonomous Parish Government of Pistishí, and community leaders of the parish	Sustainable business development	50
September 4 to 8, 2017	Facilitator of the training at the Rural Decentralized Autonomous Parish Government of Pistishí, and community leaders of the parish	Public and private administration	29
September 11 to 22, 2017	Degree work support course	Project formulation	46
February 2016	Facilitator of the training at the Decentralized Autonomous Government of the Rural Parish of Guasuntos	Project formulation and evaluation	36
May 2015	Facilitator of the workshop for the Decentralized Autonomous Governments of the province of Chimborazo	Community tourism microenterprises in the rural parishes of Chimborazo	72

I. APPROVED COURSES

1. Practical use of generative AI for teaching and research course, taught by ESPOCH, through the Dean's Office of Teleeducation, conducted virtually, from February 09 to 12, 2026.
2. Inclusive strategies for teaching in higher education course, taught by ESPOCH, through the Academic Dean's Office, conducted virtually, from November 24 to 28, 2025.
3. Professional strengthening forest carbon course, taught by ESPOCH, through the Dean's Office of Outreach and the Forestry Engineering Program, conducted virtually, from July 03 to 10, 2024.
4. Implementation of the competency-based educational model in the substantive areas of teaching, research and outreach course. Accredited by: CIFE University Center. (August 05 - 30, 2024).
5. International course called Generative Artificial Intelligence Applied to Higher Education. Organizer: Publications Directorate, ESPOCH, Canadian company Ekiworld. (July 29 - August 05, 2024).
6. Approved course at the IV National Meeting of the Academic and Research Network of Forestry Engineering Programs of Ecuador (RAICIFOR). Organized by the Academic and Research Network of Forestry Engineering Programs. (July 03, 2024).
7. Course on Preparation of engineering teaching programs for EUR-ACE international accreditation. Organized by The European Network for Accreditation of Engineering Education (ENAE). Accredited by: European Accreditation of Engineering Programmes EUR-ACE. (June 05 - 06, 2024).
8. Approved course called Training on climate-based solutions, climate change mitigation strategies, sampling and data analysis of forest inventories, carried out by ESPOCH, Ministry of Environment, Water and Ecological Transition (MAATE) - Ecuador, Euroclima - Regional cooperation program between the European Union and Latin America and the Tropical Agricultural Research and Higher Education Center (CATIE). (April 10 - 12, 2024).
9. Attended and approved course on: "Academic text production workshop", carried out by the Vice-Rectorate for Research and Graduate Studies, and the Publications Directorate, ESPOCH. (March 08 - October 17, 2021).
10. Training of Trainers course, carried out by ILAN Consulting and Training. Recognized by the Secretariat of Higher Education, Science, Technology and Innovation SENESCYT, Ecuador. Registration number: MDT-4112-CCL-266489. (May 31 - June 12, 2021).
11. Approved course on: "Good practices in the use of virtual education platforms", conducted virtually by the Institute of Blended, Distance and Online Education (ESPOCH). (April 19 - 26, 2021).
12. Approved course in the training sessions on: "Management of methods and techniques for research on renewable natural resources in the territories and populations of Ecuador", carried out by the Renewable Natural Resources Engineering Program (ESPOCH). (April 26 - 28, 2021).
13. Approved course on: "Use and customization of the virtual learning environment", conducted virtually by the Institute of Blended, Distance and Online Education (ESPOCH). (March 30 to April 3, 2020).

14. Approved course on: "Planning and design of virtual courses", conducted virtually by the Institute of Blended, Distance and Online Education (ESPOCH). (October 12 - 16, 2020).
15. Approved course on: "Writing scientific articles", carried out at ESPOCH, by the Academic Vice-Rectorate and the Academic Development Directorate. (March 27 - 31, 2017).
16. Attendance at the "XI International Congress on the process of tourism development in Ecuador and Latin America, progress and challenges", held at ESPOCH, Faculty of Natural Resources. (June 27 - 30, 2017).
17. Approved course on: "Applied statistics with RYR study for biometric research (Biostatistics)" carried out at ESPOCH, organized by the ESADISMATIC research group of the Faculty of Sciences and the Biometric Center of the Faculty of Natural Resources of ESPOCH. (April 2016).
18. Approved course on: "Environmental economic evaluation / valuation of ecosystem services", carried out at ESPOCH, Faculty of Natural Resources. (November 20 - 25, 2015).
19. Attendance at the "I International Congress of Applied Ecology", held at ESPOCH. (November 18 - 20, 2015).
20. Approved course on: "Formulation of scientific articles", carried out at ESPOCH, Faculty of Natural Resources. (July 13 - 23, 2015).
21. Approved course on: "Scientific research methodology and writing of scientific articles", carried out at ESPOCH, Faculty of Natural Resources. (June 20 - July 06, 2015).
22. Approved workshop course on: "Formulation of research projects and scientific articles", carried out at ESPOCH, Faculty of Natural Resources. (March 09 - 16, 2015).
23. Attendance at the "XI International Seminar on Sustainable Development, Heritage and Tourism", held at ESPOCH. (January 07 - 09, 2015).
24. Approved seminar on: "Geographic information systems" carried out at ESPOCH, Faculty of Natural Resources. (July 07 - 11, 2014).

J. SUPERVISION OF POSTGRADUATE AND UNDERGRADUATE THESES

Student name	Level	Program	Role: Director (D); Member (M)	Research project title
Karla Vanessa Calderón Flores	MSc.	Sustainable Tourism and Local Development	D	"Strategic plan for tourism development in Pallatanga canton, province of Chimborazo, 2021-2022". July 2022 (completed)
Paulina Catherine Aguirre Paredes	MSc.	Agricultural Economics and Administration	D	"Financial evaluation and economic evaluation for a processing plant of natural mixed fruit juices in Riobamba canton". January 2022 (completed)
Luis Eduardo Laguna Gavilanes	MSc.	Agricultural Economics and Administration	D	"Financial evaluation and economic evaluation for a processing plant of edible roses in the Gatazo Zambrano community, Colta canton". January 2022 (completed)
Alex Vinicio Gavilanes Montoya	MSc.	Agricultural Economics and Administration	D	"Feasibility study for the implementation of a composting plant for the use of solid waste from the slaughterhouse of the city of Riobamba". December 2017 (completed)
María José Campos Ruiz	MSc.	Development Project Management	D	"Feasibility study for the creation of a conscious commercialization center for productive enterprises of the Sumaco Biosphere Reserve, in Archidona canton, province of Napo". June 2017 (completed)
Fernando Santiago Amores Grandes	MSc.	Sustainable Tourism and Local Development	M	"Proposal for a tourism management model for the exercise of the competence of productive promotion in the Decentralized Autonomous Government of the province of Chimborazo". June 2017 (completed)
Gabriela Natalí Fonseca Romero	MSc.	Development Project Management	M	"Proposal for a management model to dynamize rural enterprises within the change of the productive matrix, application based on blackberry production in El Altar parish". June 2017 (completed)
Doris Patricia Borja Borja	MSc.	Development Project Management	M	"Proposal for a management model to strengthen the socio-economic impact of international cooperation in the sustainable comprehensive rural development project in the province of Chimborazo - Minka Sumak Kawsay". June 2017 (completed)
Jéssica Patricia Pilco Amanta	MSc.	Development Project Management	M	"Feasibility study for the implementation of a tourist route as a dynamic element for economic growth and development in Penipe canton, province of Chimborazo". September 2017 (completed)
Víctor Hermel Viñán Oleas	MSc.	Sustainable Tourism and Local Development	M	"Methodological proposal for the generation of productive linkages for sustainable tourism; case study of the Chimborazo River micro-watershed". January 2016 (completed)

Additionally, I have supervised a total of more than 40 undergraduate students.

K. PROJECTS



Total amount: \$1,179,024.89

Amount received: \$450,000

D: Director; **RP:** Researcher / **Professor;** **C:** Counterpart

IP: Research project; **LP:** Outreach project

Dates	Source	Project Title	Total, Amount	D / RP / C	IP / LP
Febrero 2024 – diciembre 2026	ESPOCH - Ecuador, Universidad Transilvania de Brasov – Rumania Universidad de Georgia (UGA), Athens – Estados Unidos de América	Tourism Perspectives In Chimborazo Natural Reserve, Ecuador	\$134,466.96	D	IP
Febrero 2024 – diciembre 2026	ESPOCH - Ecuador, Universidad Transilvania de Brasov – Rumania Universidad de Georgia (UGA), Athens – Estados Unidos de América	Urban Forest Assessment of the main recreational areas in Riobamba city, Ecuador	\$199.570,50	RP	IP
Enero 2022 – diciembre 2023	ESPOCH - Ecuador, Universidad Transilvania de Brasov – Rumania Universidad de Georgia (UGA), Athens – Estados Unidos de América	Evaluación de la capacidad de la Reserva de Producción de Fauna Chimborazo y su zona de amortiguamiento para proporcionar servicios ecosistémicos de provisión, como estrategia para su manejo, conservación y flujo continuo	\$190,000.00	D	IP
Enero 2020 – diciembre 2021	ESPOCH - Ecuador, Universidad Transilvania de Brasov - Rumania	Productos turísticos sustentables como estrategia para el desarrollo económico de las parroquias rurales del cantón Riobamba, provincia de Chimborazo	\$170,000.00	D	IP
Enero 2017 - diciembre 2019	ESPOCH - Ecuador, Universidad Transilvania de Braşov - Rumania, Ministerio del Ambiente del Ecuador	El ecoturismo y sus implicaciones para la conservación del Bosque Polylepis (Polylepis Reticulata) en la Reserva de Producción de Fauna Chimborazo	\$94,987.43	RP	IP
Marzo 2017 – diciembre 2018	Universidad Transilvania de Brasov	Actualizarea si dezvoltarea unei metodologie unitare pentru, proiectarea, pregatirea pentru ecplotare, dezvoltarea unui program Software unitar pentru evaluarea tehnica si economica a proceselor de exploatare a lemnului (PTE) gestionate de RNP-Romsilva	\$200,000.00	RP	IP
Abril 2017 – octubre 2018	Universidad Transilvania de Brasov	Elaboración de planes de manejo para áreas protegidas en el país de Neamt, Rumania	\$100,000.00	RP	IP
Julio 2015 – agosto 2016	ESPOCH, Ecuador	Dieta natural andina: una investigación aleatoria para evaluar rigurosamente el impacto potencial de cambios en la dieta cotidiana, basada en un mayor consumo de quinua, sobre la salud de los residentes de la ciudad de Riobamba	\$40,000.00	RP / C	IP
Marzo 2015 – octubre 2016	ESPOCH, Ecuador, Consejo Nacional de Gobiernos parroquiales rurales de la provincia de Chimborazo	Diseño de productos turísticos rurales sustentables del patrimonio natural y cultural	\$50,000.00	D	LP
Total	5 institutions	9 projects	\$1.179.024.89		

L. ADDITIONAL INFORMATION

1. English proficiency, CEFR B2. First Certificate in English, London - England.
2. Professional competencies: application of fundamental knowledge, engineering analysis, research, engineering practice, specialization and focus on the labor market.
3. General competencies (soft skills): management, communication, individual and teamwork, professional ethics, and social responsibility.