

## PROFILE

I am a researcher and project manager focusing on the conservation, management of biodiversity, and sustainability science (multifunctionality, productivity, and well-being). I am a biologist with a European Ph.D. in Biodiversity: conservation and management of species (University of Alicante, 2012). My most recent roles were Principal research in sustainability in urban-rural landscapes and Head of the social science and biodiversity knowledge program at *Instituto de Investigación de Recursos biológicos Alexander von Humboldt* (Bogotá, Colombia) in a science-policy interface. For the last ten years, I have focused on leading, researching, and managing inter/trans-disciplinary environmental participatory projects and teams on topics such as landscape sustainability analysis, connectivity, ecosystem services, the economics of ecosystems and biodiversity, agro-food systems, nexus WEFE/B, health, climate change, governance, citizen science and nature-based solutions in urban-rural areas, modeling scenarios and species distribution models. Furthermore, I strengthened knowledge networks like REDECOHH, IPBES, TEEB Agrifood, and ESP. My publication records are 13 indexed articles, 2 editor's books, 19 book chapters, and more than 50 modeling analyses using GIS on biodiversity and socioecology (h-index: 9; i10-index: 9, scholar.google).

## STUDIES AND TITLES OBTAINED

- 2021 Diploma in Management skills focused on project management. Universidad EAN. Bogotá D.C., Colombia.  
Fellowship at *Instituto de Investigación de recursos biológicos Alexander von Humboldt*.
- 2006 – 2012 Doctorate (*cum laude*) with an international mention in Biodiversity: conservation and management of species and their habitats. Centro Iberoamericano de la Biodiversidad – CIBIO. Universidad de Alicante, Spain.  
(2009 - 2011) Doctoral researcher fellowship at the National Museum of Natural Sciences of Madrid and the University of Alicante. The research project "Atlas of threatened invertebrates of Spain".  
(2008) Doctorate researcher fellowship. Department of Geography of the University of Leicester, United Kingdom.  
(2006-2008) Fellowship Russell Train – Education for Nature. WWF
- 1990 -1998 Biology with an emphasis on Genetics. University of Valle - Cali, Colombia. Approved in Spain (10/27/2011).

## WORK EXPERIENCE

- 2023 - **Basque Center of Climate Change - BC3.** Postdoctoral research in One Health Observatory Lighthouse in the Bay of Plentzia (HOBE) project.
- 2020 - 2022 **Instituto de investigación de recursos biológicos Alexander von Humboldt.** Research leader in sustainability in urban-rural landscapes. Supervisor: María Teresa Becerra (mbecerra@humboldt.org.co)  
*Responsibilities* Provide overview vision and leadership including technical, operational, logistical, evaluation, monitoring, and learning management of the research workgroup, project management, and articulating an inter/transdisciplinary team. Also, coordinate and develop scientific research agendas in socio-ecological systems, nexus food-energy-water-biodiversity/SE, health, and sustainability landscape through multifunctionality, productivity, and well-being. Strengthen partner networks, and promotes, and maintain effective, professional relations with government organizations, local communities, NGOs, donors, and other stakeholders. Supervised projects:
- 2020 - 2022 Design and testing of a social innovation strategy for tourism of a scientific nature in the Awá ancestral territory of the department of Nariño". Partners: Gobernación de Nariño, Universidad de Nariño, Resguardo Pialapí-Pueblo Viejo & Reserva Natural La Planada. Funded by the National Royalties System.
- 2019 - 2022 Socio-ecological resilience in the face of global environmental change in heterogeneous landscapes – building a common platform for understanding and action. Partner: IMBIV Córdoba University (Argentina). Funded by Inter-American Institute for Global Change Research - IAI
- 2019 – 2021 Implementing the Economics of Ecosystems and Biodiversity: Supporting Biodiversity and Sustainable Land Management in Agricultural Landscapes – TEEB Agrifood". Funded by UN Environment Programme
- 2019 - 2020 BioResilience: Biodiversity resilience and ecosystem services in post-conflict socio-ecological systems in Colombia. Postdoctoral researcher Mónica Amador, Ph.D. Partner: University of Bristol.
- 2019 - 2020. Laying the eggs in one or several baskets? Diversification strategies livelihoods and their implications for biodiversity in the region of Montes de María. Postdoctoral researcher Dra. Sandra Marcela Cely. Partner: Minciencias.
- 2017 – 2019 **Instituto de investigación de recursos biológicos Alexander von Humboldt.** Head of the Social Sciences and Biodiversity Knowledge Program. Bogotá, Colombia. Supervisor: Hernando García ([hgarcia@humboldt.org.co](mailto:hgarcia@humboldt.org.co))

**Responsibilities:** Scientific researcher and project management, coordinates and develops scientific research agendas in governance, livelihoods, ecosystem services, health, knowledge systems, sustainability, and green economy and complex systems models. Strengthen partner networks, and promotes, and maintain effective, professional relations with government organizations, local communities, NGOs, donors, and other stakeholders.

Supervised projects:

2018 – 2019 Strengthening the socio-ecological approach: a proposal for research and development based on anthropology and studies of science and technology". Postdoctoral researcher Dr. Santiago Martínez Medina.

A methodological proposal for the economic valuation of environmental goods and services of the wetland ecosystem". Postdoctoral researcher Dra. Lya Paola Sierra.

Ecological model for the evaluation of the impact of livestock on ecosystem services in the Orinoquía". Postdoctoral researcher Dr. Raul Molina.

2017 – 2018 Equitable implementation of payments for environmental services (PES) in the Guachucal páramo (Nariño). Bosco Lliso, BC3 doctoral researcher fellowship.

2015 – 2016 **Fedepalma**. Planning, conservation, and ecosystem services Coordinator. Biodiverse Palm Oil Landscape project: [www.fedepalma.org/proyecto-gef](http://www.fedepalma.org/proyecto-gef) funded by the Global Environment Facility through the Inter-American Development Bank and executed by Fedepalma and its partners: WWF Colombia, Humboldt Institute, and Cenipalma. Supervisor: Javier Ortiz ([jdortizb@hotmail.com](mailto:jdortizb@hotmail.com)).

**Responsibilities:** Provide overall project vision and leadership in the analysis for territorial planning, conservation, and ecosystem services, articulating national integrated policies of biodiversity and ecosystem services, water resources, and disaster risk. Promotes and maintains effective, professional relations with companies, government institutions, and other stakeholders, also supervising the preparation and delivery of technical reports.

2015 – 2016 **Instituto de estudios del Pacífico John von Neumann – IIAP**. Consultancy. Generate a regional portfolio that guides management for the conservation, use, and management of biological and cultural diversity in the land area of the Pacific basin. Supervisor: Tatiana López Piedrahita ([taticologa@gmail.com](mailto:taticologa@gmail.com)).

2012 – 2015 **Instituto de investigación de recursos biológicos Alexander von Humboldt**. Associate researcher. Bogotá. Colombia. Supervisor: German Corzo ([gcorzo@humboldt.org.co](mailto:gcorzo@humboldt.org.co)).

**Responsibilities:** Geospatial component coordinator. Design and implement methodologies of geospatial analysis, develop, and obtain inputs for system platform decisions for multi-scale environmental planning for identifying priority areas and developing guidelines for biodiversity conservation for the Environmental planning for Biodiversity Conservation Areas Project funded by ECOPETROL.

2012 **Swiss Agency for Development and Cooperation**. Consultancy: Assessment for Andean Forests and Climate Change Program in the Colombian Andes. Bogotá, Colombia.

2011 **IUCN Mediterranean Program**. Consultancy.

Responsibilities: Build the species geodatabase of the program. Malaga, Spain

2008 – 2011 **Ibero American Biodiversity Center (CIBIO, University of Alicante)**. Doctoral Research Assistant: Project "Atlas of Threatened Invertebrates of Spain". Sponsored by the Ministry of Environment, Rural, and Marine affairs of Spain. Supervisors: Jorge Lobo ([mcnj117@mncn.csic.es](mailto:mcnj117@mncn.csic.es)), José Ramón Verdú ([jr.verdu@ua.es](mailto:jr.verdu@ua.es)) and Eduardo Galante ([galante@ua.es](mailto:galante@ua.es)).

**Responsibilities:** Geographic information system research doctorate assistant. Geodatabase management. Species distribution models. Cartographic maps and writing scientific papers.

2007 - 2008 **WWF Colombia**. Consultancy: Vulnerability analysis to climate change of the Cordillera Real Oriental (Colombia, Ecuador, Peru). Cali, Colombia. Supervisor: Luis Germán Naranjo ([Ignaranjo@wwf.org.co](mailto:Ignaranjo@wwf.org.co))

**Responsibilities:** Design, developed methodology, collect, and organize information in databases and perform analysis of vulnerability to climate change of the Royal Cordillera Oriental. Preparation of cartographic material. Preparation of technical and financial reports.

1998 - 2006 **WWF Colombia**. Conservation Planning and Geographic Information Systems North Andes Program Officer (Venezuela, Colombia, Ecuador y northern Peru). Cali, Colombia. Supervisor: Luis Germán Naranjo ([Ignaranjo@wwf.org.co](mailto:Ignaranjo@wwf.org.co))

**Responsibilities:** Project management, provide overview vision and leadership including aspect technical, operational, logistical, evaluation, monitoring, and learning management in conservation of natural resources and cooperation projects: Conservation of biodiversity in the paramos of Anaime (Tolima), ecoregional strategy for the Andean bear conservation (Venezuela, Colombia, Ecuador, Peru and Bolivia partners), conservation scenarios in the amazon piedmont in Colombia, among others) with international cooperation resources and the development of technical and financial reports to sponsors (MacArthur, WWF, DFID, USAID, EU, and Colombian Government

agencies). Promotes and maintains effective, professional relations with government institutions, local communities, donors, and other stakeholders. Methodological developments and technology transfers for different projects.

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## THESIS ACADEMIC ADVISOR

- 2020 – Co-Director: “The Water-Energy-Food-Biodiversity nexus in sustainability transitions of Agri-food systems in the Colombian Paramos”. Doctorate student: Diana Cristina Moreno. Universidad Nacional de Colombia.
- 2021 – Codirector: “Mandatory compensation strategies for loss of biodiversity in aquatic ecosystems impacted by civil infrastructure projects: a legal, social and technical approach”. Doctorate student Mario Alejandro Zuluaga-Gómez. Universidade Federal do Pará, Brasil.
- 2019 – Co-director: “Butterflies to strengthen connectivity and citizen science in urban spaces: Bucaramanga case”. Doctorate student Beatriz Mujica. University of Alicante, Spain.
- 2018 – Director: “Tourism and development: Analysis of a case in Colombia and a case in Ecuador from the perspective of capacities, functions, and opportunities under the human development approach”. Master student Martín Esteban Reyes. Facultad Latinoamericana de Ciencias Sociales – FLACSO, Argentina.
- 2018 – 2022 Co-director thesis: “Territorio múltiple una geografía del cuidado sobre el paisaje caficultor Nariño, Colombia 1930 – 2020”. Doctorate student Tyanif Rico. Autonomous University of Mexico.

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## ADDITIONAL COURSES

- Sep. 2014. High Conservation Values (HCV) for RSPO Certification. Bogotá, Colombia.
- Feb. 2013. Capacity building for conservation. Ecological research and training for conservation (UK). Villa de Leyva, Colombia.
- Jun 2011. UNESCO Biosphere Reserves: their role in biodiversity conservation and sustainable development”. Universidad Internacional Menéndez Pelayo. Valencia, Spain.
- Oct 2009. Advanced techniques of regression on natural sciences and their application with R”. Friends of Museum of Natural Sciences of Madrid. Spain.
- Mar 2009. Simulation modeling in ecology and macroecology”. University of Alcalá.
- Mar 2007. Experimental and statistical inference in Biodiversity Studies. CIBIO – University of Alicante.
- May 2002. Applications of GIS to wildlife research. Frank van Manen (US Geology and Forest Service). TNC - EcoCiencia. Quito.
- Mar 2002. Methodology for field data collection of Andean bears (*Tremarctos ornatus*). WWF – WCS. Mérida – Venezuela. Organizing committee and speaker
- Jul 2001. Creating and Managing Geodatabases (for ArcEditor 8 and ArcInfo 8), Introduction ArcInfo 8 (I), Introduction ArcInfo 8 (II). ESRI, Redlands – CA (USA).
- Aug 1998. Grid with Arc/Info. ESRI, Danvers, USA.
- Jul 1998. Arc/Info advanced. ESRI User conference. ESRI, San Diego, USA.
- Jan 1998. ArcView – Arc/Info and GPS. WWF. Cali, Colombia.
- Jun 1996. Environmental guide, first aid, and mountain rescue. CRQ. Armenia, Colombia.

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## TECHNOLOGICAL TOOLS

MS Office, Project management, GoogleSuits, and collaborative platforms (Miro, mural, slack, and others). ArcGIS, MaxEnt, CircuitScape, Fragstat, STATA, Nvivo, R, and Phyton.

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## SKILLS

Cooperative leadership, project management (traditional & agile), teamwork, get-it-done orientation, flexibility, responsibility, emotional intelligence, communication, ability to work independently, organizational and planning skills, reliability, and problem-solving.

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## AWARDS

May 2008. Wings Across the Americas. International Partnership Award. International Cooperation – US Forest Service, Cerulean Warbler Nonbreeding Habitat Assessment.

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## LANGUAGES

Spanish: Native speaker      English: B2

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## NETWORKS

Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) / Ecosystems Services Partnership (ESP) / Ecohydrology and ecohydraulics Colombian network - REDECOHH / Food systems game changers lab

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## PUBLICATIONS

Moreno-Vargas, D.C., Quiñones-Hoyos, C. & O.L. Hernández-Manrique. 2023. The Water-Energy-Food nexus in Biodiversity Conservation: A critical review around Socio-Ecological Transitions of Agricultural Systems. *Heliyon*. 9(7), e17016–e17016. <https://doi.org/10.1016/j.heliyon.2023.e17016>

- Vargas, L., Ruiz, D., Gómez-Navarro, C., Ramirez, W. & O.L. Hernández. 2022. Mapping potential surpluses, deficits, and mismatches of ecosystem services supply and demand for urban areas. *Urban Ecosystem*. <https://doi.org/10.1007/s11252-022-01312-w>
- Cardona-Almeida, C. A., Cerro-Amell, R., Mendoza-Navarro, S., Santos-Rocha, A. C., Zuluaga, M. A., Batista, A., Zamora, D. M., Canales, F. A., & Hernández-Manrique, O.L. 2022. Roads of the Caribbean: regional analysis from Environmental Impact Assessments in Colombia. *Bulletin of Geography. Socio-Economic Series*, 57, 169–183. <https://doi.org/10.12775/bgss-2022-0030>
- Cely-Santos, M., & Hernández-Manrique, O. L. (2021). Fighting change: Interactive pressures, gender, and livelihood transformations in a contested region of the Colombian Caribbean. *Geoforum*, 125, 9–24. <https://doi.org/10.1016/j.geoforum.2021.06.014>
- Sierra, L., Marin, W., Castro, L. G., & Hernández-Manrique, O. L. 2021. Economic Valuation of Benefits in Freshwater Ecosystems: Complex Wetlands System Belonging to the San Juan River in the Magdalena Medio Region, Colombia. *Sustainability*, 13(10), 5374. <https://doi.org/10.3390/su13105374>
- Martínez-Medina, S. & O.L. Hernández-Manrique. 2020. Colecta como captura recíproca múltiple: etnógrafos, científicos y especímenes en clave cosmopolítica. *Revista Colombiana de Antropología* 56-2, 235-263. Doi: 10.22380/2539472X.640
- Redondo, J.M., Bustamante-Zamudio, C., Amador-Moncada, J. & O.L. Hernández-Manrique. (2019). Landscape Sustainability Analysis: Dynamical Systems Approach. *Journal of Physics: Conference Series*. Doi: 10.1088/1742-6596/1414/1/012010
- Mesa, L., Corzo, G., Hernández-Manrique, O.L., Lasso, C. & G. Galvis. 2016. Ecorregiones dulceacuícolas de Colombia: una propuesta para la planificación territorial de la región trasandina y parte de las cuencas del Orinoco y Amazonas. *Biota Colombiana* ISSN 0124-5376 Vol. 17 (2). DOI 10.21068/c001.
- Portocarrero-Aya, M., Corzo, G., Díaz-Pulido, A., González, M., Longo, M., Mesa, L., Paz, A., Ramírez, W. & O.L. Hernández-Manrique. 2014. Systematic conservation assessment for most of the Colombian territory as a strategy for effective biodiversity conservation. *Natural Resources*, 5, 981-1006. doi: 10.4236/nr.2014.516084.
- Hernández-Manrique, O.L., Sánchez-Fernández, D., Numa, C; Verdú, JR; Galante, E. & J.M. Lobo. 2012. Using local autocorrelation analysis to identify conservation areas: an example considering threatened invertebrate species in Spain. *Biodiversity & Conservation*, 21: 2127-2137. DOI: 10.1007/s10531-012-0303-5.
- Hernández-Manrique, O.L., Sánchez-Fernández, D., Numa, C., Galante, E., Verdú, J.R., & Lobo, J.M. 2012. Extinction trends of threatened invertebrates in peninsular Spain. *Journal of Insect conservation*. DOI: 10.1007/s10841-012-9502-3.
- Hernández-Manrique, O.L., Numa, C., Verdú, J.R., Galante, E. & Lobo, J.M. 2012. Currently, protected sites do not allow the representation of endangered invertebrates. *Insect Conservation and Diversity*. DOI: 10.1111/j.1752-4598.2011.00175.x.
- Sánchez-Fernández, D., Lobo, J.M., & Hernández-Manrique, O.L. 2011. Species distribution models that do not incorporate global data misrepresent potential distributions: a case study using Iberian diving beetles. *Diversity and Distributions* 17: 163-171. DOI: 10.1111/j.1472-4642.2010.00716.x
- Kattan G., Hernández O.L., Goldstein I., Rojas V., Murillo O., Gómez C., Restrepo H., & F. Cuesta. 2004. Geographic Range Fragmentation of Spectacled Bear in the Northern Andes. *Oryx* 38:155-163. DOI: 10.1017/S0030605304000298.
- Editor*
- Chaves, M.E., M. Santamaría, Hernández-Manrique, O.L. & G. Corzo (Eds). (2022). Conceptos y herramientas para transitar hacia la sostenibilidad: Avances a 2020. Instituto de Investigación de Recursos Biológicos Alexander von Humboldt. 174p. <http://hdl.handle.net/20.500.11761/35982>
- Moreno, L. A., Andrade, G. I., Didier, G & Hernández-Manrique, O. L. (Eds.). (2021). Biodiversidad 2020. Estado y tendencias de la biodiversidad continental de Colombia. Bogotá, D. C., Colombia: Instituto de Investigación de Recursos Biológicos Alexander von Humboldt. 112p. <http://hdl.handle.net/20.500.11761/35839>
- Books or chapters*
- Hernández-Manrique, O.L., Corral, N., Vargas, S. & G. Corzo. Las transiciones socioecológicas hacia la sostenibilidad para la puesta en práctica de los cambios transformativos. En: Chaves, M.E., M. Santamaría, Hernández-Manrique, O.L. & G. Corzo (Eds). (2022). Conceptos y herramientas para transitar hacia la sostenibilidad: Avances a 2020. Instituto de Investigación de Recursos Biológicos Alexander von Humboldt.
- Bustamante, C., Redondo, J.M., García J.A., Amador, J.A & O.L. Hernández-Manrique. La sostenibilidad, una propiedad “emergente” del paisaje. En: Chaves, M.E., M. Santamaría, Hernández-Manrique, O.L. & G. Corzo (Eds). (2022). Conceptos y herramientas para transitar hacia la sostenibilidad: Avances a 2020. Instituto de Investigación de Recursos Biológicos Alexander von Humboldt.
- Bustamante, C., Redondo, J.M., García J.A., & O.L. Hernández-Manrique. Metodología para realizar un análisis de evaluación de la sostenibilidad en paisajes y escenarios prospectivos hacia la sostenibilidad. En: Chaves, M.E., M. Santamaría, Hernández-Manrique, O.L. & G. Corzo (Eds). (2022). Conceptos y herramientas para transitar hacia la sostenibilidad: Avances a 2020. Instituto de Investigación de Recursos Biológicos Alexander von Humboldt.
- García, J.A., Bustamante, C., Garzón, C.A., Redondo, J.M & O.L. Hernández-Manrique. Análisis de sostenibilidad en el valle del Sibundoy, Putumayo. En: Chaves, M.E., M. Santamaría, Hernández-Manrique, O.L. & G. Corzo (Eds). (2022).

Conceptos y herramientas para transitar hacia la sostenibilidad: Avances a 2020. Instituto de Investigación de Recursos Biológicos Alexander von Humboldt.

Hernández-Manrique, O.L., Santos, A.C., García-García, J.A y P. Isaacs-Cubides. Evaluación de sostenibilidad de la subzona hidrográfica del río Orteguaza, Caquetá. En: Chaves, M.E., M. Santamaría, Hernández-Manrique, O.L. & G. Corzo (Eds.). (2022). Conceptos y herramientas para transitar hacia la sostenibilidad: Avances a 2020. Instituto de Investigación de Recursos Biológicos Alexander von Humboldt.

García-García, J. A., Bustamante-Zamudio, C., Isaacs-Cubides, P., Rojas, T., Garzón, C., Amador, J. A & Hernández Manrique, O. L. 2021. Sostenibilidad del paisaje en el piedemonte amazónico. En: Moreno, L. A., Andrade, G. I., Didier, G & Hernández-Manrique, O. L. (Eds.). Biodiversidad 2020. Estado y tendencias de la biodiversidad continental de Colombia. Bogotá, D. C., Colombia: Instituto de Investigación de Recursos Biológicos Alexander von Humboldt. 112p.

Noguera-Urbano, E. A., Cruz, C., Olaya-Rodríguez, M. H., Hernández-Manrique, O. L., Tibavija, R., Fernández, P & Rodriguez Castañeda, C. 2021. Escenarios de cambio climático En: Moreno, L. A., Andrade, G. I., Didier, G & Hernández-Manrique, O. L. (Eds.). Biodiversidad 2020. Estado y tendencias de la biodiversidad continental de Colombia. Bogotá, D. C., Colombia: Instituto de Investigación de Recursos Biológicos Alexander von Humboldt. 112p.

Ruiz-Nieto, O., Waldrón, T & Hernández-Manrique, O.L. 2021. Aporte de las ciencias sociales a la investigación socioecológica. En: Moreno, L. A., Andrade, G. I., Didier, G & Hernández-Manrique, O.L. (Eds.). Biodiversidad 2020. Estado y tendencias de la biodiversidad continental de Colombia. Bogotá, D. C., Colombia: Instituto de Investigación de Recursos Biológicos Alexander von Humboldt. 112p.

García-García, J. A., Pérez, D., Bustamante-Zamudio, C., Garzón, C., Hernández Manrique, O. L., Rodriguez Castañeda, C., Fernández, P & Tibavija, R. (2021). Valoración de servicios ecosistémicos para la planificación en la Altillanura colombiana. En: Moreno, L. A., Andrade, G. I., Didier, G & Hernández-Manrique, O. L. (Eds.). Biodiversidad 2020. Estado y tendencias de la biodiversidad continental de Colombia. Bogotá, D. C., Colombia: Instituto de Investigación de Recursos Biológicos Alexander von Humboldt. 112p.

Ayazo-Toscano, R., Hernández-Manrique, O. L., Ramírez, W., Santos, A. C., Gutiérrez Camargo, J. C & Gonzalez, J. 2021. Adaptación basada en ecosistemas (ABE) en las planicies inundables. En: Moreno, L. A., Andrade, G. I., Didier, G & Hernández-Manrique, O. L. (Eds.). Biodiversidad 2020. Estado y tendencias de la biodiversidad continental de Colombia. Bogotá, D. C., Colombia: Instituto de Investigación de Recursos Biológicos Alexander von Humboldt. 112p.

Osejo, A., Duarte, B., Amador, J., Ungar, P. & O.L. Hernandez-Manrique (2019). *Ficha 402: Habitar el páramo*. En Moreno, L. A., Andrade, G. I. y Goméz, M. F. (Eds.). 2019. Biodiversidad 2018. Estado y tendencias de la biodiversidad continental de Colombia. Instituto de Investigación de Recursos Biológicos Alexander von Humboldt. Bogotá, D. C., Colombia.

Bustamante-Zamudio, C., Redondo, J.M. García-García, J.A., Pérez, D., Amador-Moncada, J. & O.L. Hernández-Manrique. *Ficha 401: Gestión sostenible del turismo de naturaleza*. En Moreno, L. A, Andrade, G. I. y Goméz, M. F. (Eds.). 2019. Biodiversidad 2018. Estado y tendencias de la biodiversidad continental de Colombia. Instituto de Investigación de Recursos Biológicos Alexander von Humboldt. Bogotá, D. C., Colombia.

Cárdenas-Botero, K., Waldron, T. & O.L. Hernandez-Manrique. (2018). *Ficha 302: Gastronomía y biodiversidad*. En: Moreno, L. A., Rueda, C. y Andrade, G. I. (Eds.). 2018. Biodiversidad 2017. Estado y tendencias de la biodiversidad continental de Colombia. Instituto de Investigación de Recursos Biológicos Alexander von Humboldt. Bogotá, D. C., Colombia. 84p.

Mesa, L., Corzo, G., Hernández-Manrique, O.L., Lasso, C. & G. Galvis. (2017). *Ficha: 406: Ecorregiones dulceacuícolas de Colombia*. En: Moreno, L. A., Andrade, G. I., y Ruiz-Contreras, L. F. (Eds.). Biodiversidad 2016. Estado y tendencias de la biodiversidad continental de Colombia. Instituto de Investigación de Recursos Biológicos Alexander von Humboldt. Bogotá, D. C., Colombia. 106 p. DOI: 10.21068/B001.2016.406.

Hernández-Manrique, O.L., Portocarrero-Aya, M., Córdoba, D, Mesa L., & G. Corzo. *Enfoque territorial y metodológico*. En: Chaves, M.E., et al. (Eds). Catálogo de Biodiversidad para la región orinoquense. Proyecto Planeación Ambiental para la Conservación de la Biodiversidad en las Áreas Operativas de Ecopetrol. Instituto de Investigación de Recursos Biológicos Alexander von Humboldt – Ecopetrol. Bogotá, Colombia.

Portocarrero-Aya, M., Hernández-Manrique, O.L., & G. Corzo. Portocarrero-Aya, M., Hernández-Manrique, O.L., & G. Corzo. 2014. *Ficha 212: Probabilidad de colapso de la diversidad biológica en algunos de los socioecosistemas colombianos*. En: Bello, J.C., Báez, M., Gómez, M.F., Orrego, O. 2014. Biodiversidad 2014: Estado y Tendencias de la Biodiversidad Continental de Colombia. Instituto de Investigaciones de recursos biológicos Alexander von Humboldt. Bogotá D.C. 204 pág.

Kometter, R., Gonzales-Iwanciw, J., Hernández-Manrique, O.L., Ormaza-Hidalgo, F., Prins, A. F. & T. Zambrano (2014). *Línea de base: Conservación de los bosques altoandinos frente al cambio climático en: Venezuela Colombia, Ecuador, Perú Bolivia, Chile y Argentina*. Ed. Bio Modus Tropical. 219 pág.

Hernández, O.L., Suárez, C.F. & Naranjo., L.G. *Vulnerabilidad al cambio climático en la Cordillera Real Oriental (Colombia, Ecuador y Perú)* En: Naranjo, L.G. (ed). 2010. *Cambio climático en un paisaje vivo: Vulnerabilidad adaptación en la Cordillera Real Oriental de Colombia, Ecuador y Perú*. WWF y Fundación Natura (Ecuador). Cali. 105 pág.

Barrera, X., Constantino, E., Espinosa, J.C., Hernández, O.L., Naranjo, L.G. Niño I., Polanco, R., Restrepo, J.H., Revelo-Salazar, J.V.& C. Yépes, F. 2007. *Escenarios de conservación en el Piedemonte Andino – Amazónico de Colombia*. WWF, IAvH y Unidad de Parques Naturales Nacionales de Colombia. CD. 257 pag.

#### Database

Hernández-Manrique, O.L. y D. Sánchez-Fernández. 2011. Database threatened Invertebrates of Spain [Access 2007]. Dirección General de Medio Natural y Política Forestal, Ministerio de Medio Ambiente, Medio Rural y Marino, Madrid. CD-ROM. Project: Atlas and Red List of threatened invertebrates of Spain (Vulnerable species). Verdú, J. R., Numa, C. y Galante, E. (Eds) 2011., 1.318 pp.

#### CONFERENCES & WORKSHOPS

- Nov. 2023. 4th International ESP Latin America and Caribbean Conference. Hernández-Manrique, O.L., Cely-Santos, M., Tapia, D., Moreno-Vargas, D., & B. Gómez. *Del dicho al hecho en la Coproducción: Modos y medios de vida en cercanías a la represa Arroyo Grande* [From words to deeds in the Co-Production: Ways of life and livelihoods around the dam Arroyo Grande], San José de Playón, María La Baja, Bolívar, Colombia. 6-10 November 2023. Chile (Hybrid). Speaker
- Sep. 2023. Tropentag 2023. Moreno-Vargas, D.C., Quiñones-Hoyos, C. & O.L. Hernández-Manrique. Coproducing the Water-Energy-Food-Biodiversity nexus to operationalize agri-food systems sustainability transitions. Berlin. September 20 - 22, 2023. <https://www.tropentag.de/abstract.php?code=96QGd74K>
- Sep. 2021. IUCN Congress 2021. Article note: Hernández-Manrique, O.L. & J.M. Ochoa (2021). Sustainable landscapes to maintain the health of the planet. <https://www.iucncongress2020.org/newsroom/all-news/sustainable-landscapes-maintain-health-planet>
- Jun. 2021. Workshop: Socioenvironmental Histories and interdisciplinary perspectives on resilience in the tropical Andes. Hernández-Manrique, O.L. Inter/transdisciplinary perspective to face global changes in the science-policy interface at. Jun 2-3. Speaker
- Mar. 2021. TEEBAgrigood Regional Symposium Latin-American and Caribbean. Hernández-Manrique, O.L. Garzón, C.A., & A. Camelo. Caso TEEB-Agrifood Colombia: Valle del Sibundoy, Putumayo. Virtual 20-22 March 2021. Speaker.
- Oct. 2020. Congreso interno del Instituto de investigación de recursos biológicos Alexander von Humboldt. Hernández-Manrique, O.L. Sostenibilidad en paisajes urbano-rurales. Bogotá, Colombia. Speaker.
- Nov. 2020. *Ecosystem Services Partnership* – ESP LAC, Regional Conference. Hernández-Manrique, O.L., Garzón, C.A., Muñoz, J., Rosas-Cruz, C., Perez, D., Cárdenas, K., Waldrón, T., Cely, M. & L.G. Castro. Contribuciones de la naturaleza a la salud humana: Caso de estudio, María La Baja (Bolívar, Colombia). 25-27 November 2020. Ciudad de México, México. Speaker.
- Oct. 2019. X International Conference: *Ecosystem Services Partnership* – ESP. Declerq, T & Hernández-Manrique, O.L. TEEB Putumayo, Colombia. Hanover, Germany. 12-15 October 2019. Speaker.
- Apr. 2019. Expert Workshop - Gender Considerations in the Post-2020 Global Biodiversity Framework. UN Women. Hernandez-Manrique, O.L.: Gender and Biodiversity in Colombia. 11-12 April. Nueva York (USA). Speaker
- Feb. 2019. TEEB for Agriculture & Food Global Symposium. Kraus, Y., Camelo, A., & O.L. Hernández-Manrique. Proposal for the application of the TEEB Agrifood methodology in Alto Putumayo, Colombia. 25-27 Feb. Nairobi, Kenia.
- May. 2018. International Conference: Communities, Conservation & Livelihoods. Matallana-Tobón, C. L., Areiza-Tapias, Al., Solano, C., Waldrón, T. Osejo-Varona, A., Hernández Manrique, O.L. & Galán, S. Analysis of governance types and the role of communities on other effective area-based conservation measures (OECM) in Colombia. 28-31 May. Halifax (Canada). Speaker.
- Dec. 2017. ESP9 World Conference. Castro, L.G. & O.L. Hernández-Manrique. Linking well-being priorities at the local scale and ecosystem services management at the regional scale: The case of the Orotay river basin (Colombia). 11-15 December 2017. Shenzhen, China. Speaker.
- Sep. 2015. XVIII Conferencia internacional sobre palma de aceite. Fedepalma. Cartagena de indias. Colombia. Stand
- Nov. 2014. Foro: Estrategia territorial de hidrocarburos: una oportunidad hacia la construcción de paz. PNUD, ANH. Bogotá D.C., Colombia
- Dec. 2014. IV Congreso de Zoología. Mesa, L., Galvis, G., Corzo, G., & Hernández-Manrique, O.L. Formulación de unidades hidrobiológicas para la conservación de la biodiversidad acuática en Colombia. 1 - 5 Dec. Cartagena, Colombia.
- Oct. 2013. Foro Nacional Conservación y Desarrollo: Una inversión para el bienestar. Instituto Alexander von Humboldt – Ecopetrol. Bogotá, Colombia
- Oct. 2011. Congreso Europeo de ESRI. Madrid, España. Participante.
- Sep. 2010. XIV Congreso Iberoamericano de Entomología. Hernández-Manrique, O.L., Numa, C., Verdú, J.R. Galante, E. & J. Lobo. Atlas de Invertebrados amenazados de España. 1 - 4 Sep. Lugo, Spain. Speaker.
- May. 2009. Ciclo de Conferencias “Las semillas de la investigación: Los investigadores que pasaron por el CIBIO”. CIBIO – University of Alicante. Hernández-Manrique, O.L. *Distribuciones potenciales de invertebrados amenazados de España*. 4 & 29 May 2009. Alicante, Spain. Speaker.
- Oct. 2008. IUCN World Conservation Congress. 5-14 October Barcelona. Spain.

- Jul. 2006. Twenty-sixth ESRI International User Conference. Hamel P.B., Ozdenerol E., Ramoni-Perazzi P., Ganzenmueller A., Girvan K., Herzog S., Santander T., Mehlman D., Cuesta F., Moreno M. I., Barrer S., Benitez S., Balde J., Welton M., Hennessey B., Tovar-Ingar C., Romero M., Cisneros-Heredia D., Davidson I., Hill T., Garcia S., Guevara E., Romo D., Colorado E., Diaz D., Hernández O.L. & P. Salaman. 2006. Modeling the South American Range of the Cerulean Warbler. 6-11 August 2006. San Diego, California, USA.
- Sep. 2004. *VI Congreso Internacional sobre Manejo de Fauna Silvestre en la Amazonía y Latinoamérica*. Hernández-Manrique, O.L. *Estrategia ecorregional para la conservación del oso andino (*Tremarctos ornatus*) en los Andes del Norte*. 5 - 10 de September 2004. Iquitos, Peru. Speaker.
- Feb. 2004. 15th International Conference on Bear Research & Management. Hernández-Manrique, O.L. Ecoregional strategy for the conservation of the Andean bear (*Tremarctos ornatus*) in the Northern Andes. 8 – 13 February. San Diego, USA. Speaker
- May. 2002. *I Congreso Mundial de Páramos*. Hernández-Manrique, O.L. *Estrategias para la conservación y Sostenibilidad de sus Bienes y Servicios Ambientales*. 13 - 18 May 2002 IDEAM. Paipa, Colombia. Speaker.
- Jul. 2001. ESRI International User Conference and Society for Conservation in GIS annual meeting (SCGIS), San Diego, USA. Speaker
- Dic. 2001. *IV Simposio Internacional Desarrollo Sustentable en los Andes: La Estrategia Andina para el Siglo XXI*. AMA – Universidad de los Andes, ICAE. Mérida, Venezuela. Speaker
- Nov. 1999. *Cuarta Conferencia Nacional de Páramos y Bosques altoandinos y Conferencia Internacional*. Censat Agua Viva. Málaga, Colombia. Speaker.