



## PROFILE

**Ph.D. in biosciences. Experience in formulation, execution, management, and evaluation of science projects, emphasizing disasters, climate change, and biodiversity for terrestrial and marine systems.**

**Experience in scientific, technical, and administrative processes focused on fulfilling projects, programs, and strategies in the public, academic, and non-governmental sectors, where I have acquired an inter and transdisciplinary vision.**

**I have good interpersonal and communication skills to work in technical teams or projects aimed at meeting institutional objectives.**

## CONTACT

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# MAURICIO ROMERO T.

## WORK EXPERIENCE LAST 10 YEARS

**Science and technology manager, contractor**

**National Unit for Disaster Risk Management (UNGRD), Colombia** [2019/09 – 2024/09](#)

- Science, Technology, and Innovation Manager (CTel).
- I supported the preparation and execution of a national strategy for promoting science and technology, including communication with the Ministry of Science and Technology, Universities, Research Institutes, departments, and municipalities.
- I formulated national and technical cooperation projects for international funding agencies.
- I participated in and led the National Advisory Commission for Research in Disaster Risk Management. There I conducted seven Delphi surveys to define research priorities.
- Follow UNGRD international cooperation activities such as the *Global Alliance of Disaster Research Institutes*, *UNDRR*, *Integrated Research on Disaster Risk*, *International Science Council*, and interaction with some embassies.
- I supported knowledge management with scientific-technical publications from UNGRD.
- I received training from the Japanese cooperation agency JICA.
- I supported the development of national and international activities, such as organizing the 6th International Symposium on Natural Hazard-Triggered Technological Accidents and IDReM 2024.
- I supported a humanitarian assistance trip to La Guajira.

Supervisor: [luisa.cadena@gestiondelriesgo.gov.co](mailto:luisa.cadena@gestiondelriesgo.gov.co)

**Fellow of science, technology, and policy.**

**Inter-American Institute for Global Change Research (IAI), Uruguay** [2023/04 – 2024/04](#)

- I was the IAI link to the Belmont Forum and supported IAI participation in funding collaborative research actions such as Migration and Mobility; Climate, Environment and Health II; Tropical Forests, and Vulnerability and Resilience Management.
- I supported the monitoring of three Migration and Mobility projects and the monitoring of 12 seed grant projects for climate, environment and health in the Americas.
- I supported IAI organization and participation in international conferences, workshops, and meetings.
- Engagement and outreach with relevant stakeholders.
- I supported the IAI's National Science Foundation reports.

## SOFT SKILLS

- Adaptability
- Collaboration
- Critical thinking
- Emotional maturity
- Initiative
- Persistence
- Problem resolution
- Self-learning
- Time management

## SUMMARY OF CONSULTING AND SERVICE PROVISION INSTITUTIONS

- National Unit for Disaster Risk Management
- Conservation International Colombia
- Pontifical Javeriana University
- Pedagogical and Technological University of Colombia
- Center of Excellence in Marine Sciences, CEMarin
- Center for Research and Studies in Biodiversity and Genetic Resources, CIEBREG

## LANGUAGES

English. Total TOEFL score: 84. R: 22, L: 23, S: 19, W: 20. August 2013.

- I supported the IAI's Committee on Oceans Islands and Coastal Regions.

### Scientific Research Manager, Contractor

Center of Excellence Corporation in Marine Sciences (**CEMarin**),

Colombia [2018/02 – 2019/03](#)

- At CEMarin, I led the search for external funding sources and promoted the generation of research projects in marine sciences with a multidisciplinary and transdisciplinary approach.
- I managed relationships with five Colombian universities and one German university.
- I received training at the University of Giessen (Germany) in the entire financing cycle, including the search for financing in the German science and technology system.
- I participated in generating calls, such as Seed grants, and in organizing evaluation panels.
- I supported institutional communications on social networks.
- I contributed to generating the Strategic Research Plan.
- I participated in organizing the first CEMarin international conference. Supervisor: [executive@cemarin.org](mailto:executive@cemarin.org)

## EDUCATION

**Pontifical Javeriana University**, Bogota, Colombia

Master's and Ph.D. in Biological Sciences, **2010, 2018**

Ecology of terrestrial and marine ecosystems

**Pontifical Javeriana University**, Bogota, Colombia

Microbiology, Faculty of Sciences, **2003**

Litter decomposition in the Andean cloud forest

## KEY SKILLS

- Planning, managing, and executing projects, programs, and services to achieve institutional or programmatic objectives.
- Interdisciplinary vision, experience, and good relations with the higher education, research institutes, and public sectors.
- Scientific projects lifecycle and grant life cycle.
- Knowledge and ability to use office tools such as Microsoft Office, Google Workspace, and Adobe Acrobat.
- Ability to manipulate, analyze and interpret data with tools such as SPSS, R (intermediate), and ArcGis 10.3 (basic).
- Knowledge of biodiversity conservation, climate change, and disaster risk reduction in terrestrial and marine ecosystems areas.
- Search and synthesis of scientific evidence, extensible as governmental scientific advice.
- Excellent writing skills, technical-scientific editing, and editorial project management.
- Management of science and technology in the National System of Science and Technology.
- Government relations with the Ministry of Science and Technology, Ministry of the Environment, universities, research institutes, departments, and municipalities.

## PROJECT EVALUATOR AND PEER REVIEWER

### Project evaluator

National Geographic Society  
National University of Colombia  
Del Valle University  
Pontifical Javeriana University  
Pedagogical and Technological  
University of Colombia  
Santo Tomas University

### Peer Reviewer Articles

Global Change Biology, Scientometrics,  
Tropical Biology Journal, Spanish  
Journal of Scientific Documentation,  
Frontiers in Marine Science,  
Aquatic Sciences, Disaster Risk  
Management Research

## SCIENTIFIC PROFILES

- Google Scholar:  
<https://scholar.google.com.co/citations?user=n484vskAAAAJ&hl>
- ORCID:  
<http://orcid.org/0000-0003-3282-0372>
- Scopus Author ID:  
<https://www.scopus.com/authid/detail.uri?authorId=55215616900>
- Publications:  
<https://www.webofscience.com/wos/author/record/I-2660-2019>
- GitHub:  
<https://github.com/mromerot>

## PROFESSIONAL EXPERIENCE, CONSULTANCY, AND SERVICES

Services. Academic writing and publishing. Ph.D. workshop. 16 hours. Pedagogical and Technological University of Colombia, Sogamoso. Supervisor: Mercedes Cárdenas, Email: [mercedes.cardenasojeda@uptc.edu.co](mailto:mercedes.cardenasojeda@uptc.edu.co), **2019**

Services. Scientific information databases. 24 hours. Pedagogical and Technological University of Colombia. Tunja. **2014**

Consulting. Book edition: Development of an action plan: Case study in population connectivity. Supervisor: Alberto Acosta. Email: [acosta@javeriana.edu.co](mailto:acosta@javeriana.edu.co). **2011**

Services. Indexing of scientific journals. Pedagogical and Technological University of Colombia. Supervisor: Yolanda Romero. Email: [yolanda.romero@uptc.edu.co](mailto:yolanda.romero@uptc.edu.co). **2011**

Consulting. Colombian Pacific hard corals: a visual identification guide. Conservation International Colombia – Walton Family Foundation. Conservation areas: Gorgona PNN, Malpelo SFF and Utría PNN. Supervisor: María Claudia Diazgranados. Email: [m.diazgranados@conservation.org](mailto:m.diazgranados@conservation.org). **2010**

## PROJECTS: APPLICATION AND PARTICIPATION

Co-investigator. Tsunami risk in the face of climate change on the Colombian Pacific coast: contribution to knowledge and formulation of a strategy for its social appropriation. COP\$10.2 billion. Denied. GISP Code: 91213. **2022**

Co-investigator. Strengthening of disaster risk management, based on the generation of knowledge and social innovation to increase the community, natural and economic response capacity of the department of the Archipelago of San Andrés, Providencia and Santa Catalina. Minciencias. approved. COP\$10 billion. BPIN: 2021000100041. **2021**

Co-investigator. Little Ocean Scientists. CEMarin. ~\$130,000. Postulated at Packard Foundation and Ford Foundation. Denied. **2018**

Visiting researcher. Melbourne University, Australia. Eastern-Central Tropical Pacific Ecological Connectivity. **2015**

Principal investigator. Ecological connectivity in the tropical Eastern Pacific. Minciencias doctoral scholarship, call 528, ~US\$130,000. **2012**

## COURSES TAKEN

Climate, Environment, and Health Responders for the Americas: Mobilizing Transdisciplinary Knowledge and Training for Policy Action. On line. **2024**

Adaptive Watershed Management to Climate Change: Disaster Risk Reduction and Ecosystem Conservation. International Cooperation Program of the Government of Japan. Japan. **2021**

Integrity, transparency, and fight against corruption. Public function. Colombia. **2020**

Introduction to Proposal Writing Online. Introduction to finding grants online. Foundation Center Training. USA. **2019**

## TEACHING SUMMARY

### Courses taught:

- Biology of organisms
- Scientific writing
- Marine and coastal conservation

### Universities and institutes:

- Pontifical Javeriana University
- Pedagogical and Technological University of Colombia
- Princeton University
- Melbourne University
- Smithsonian Tropical Research Institute - Panama
- University Santo Tomas
- Tolima University

## SUMMARY OF PUBLICATIONS

Scientific articles **6**

Preprint arXiv **1**

Books **1**

Book chapters **7**

Policy documents **2**

Guides **1**

Working papers **1**

Disclosure **4**

Citations Google Scholar **300**

Scopus **93 citations**

H-Index Google Scholar **7**

Countries in collaborations **4**

Scientific writing in ecology and evolutionary biology. Alexander von Humboldt Biological Resources Research Institute. Colombia. **2019**

Government Scientific Advice: Science is essential in government decision-making. International Science Council. Colombia. **2019**

Improving Capacity Building for Conservation Planning In Colombia. Pontifical Javeriana University. Colombia. **2017**

## TEACHING

Scientific communication, technical writing, and scientific databases. Pedagogical and Technological University of Colombia. **2011–2013, 2019–2022**; Santo Tomás University, Medellín, **2013**; University of Tolima, **2015**; Pontifical Javeriana University, Bogotá, **2011**

Marine and coastal conservation. Master's degree in conservation and use of biodiversity. Faculty of Environmental and Rural Studies. Pontifical Javeriana University. Bogota, DC **2017**

*Teaching assistance.* Coral Reef Biology EEB346. 80 hours Princeton University and Smithsonian Tropical Research Institute. Panama. **2015, 2017**

*Biology of organisms.* Pontificia Universidad Javeriana, Faculty of Sciences, Department of Biology. **2004–2006, 2008, 2011**

## PUBLICATIONS

### EDITORIAL COORDINATOR OR EDITOR

National Advisory Commission for Research in Disaster Risk Management (CNAIGRD) (Eds.). **(2023)**. *Research in disaster risk management for Colombia. Local, regional and national contributions*. National Unit for Disaster Risk Management. Bogotá Colombia. 367 p. <https://books.google.com.co/books?id=5kiAEAAAQBAJ>

National Advisory Commission for Research in Disaster Risk Management (CNAIGRD) (Eds.). **(2021)**. *Research in disaster risk management for Colombia. Advances, perspectives, and case studies*. National Unit for Disaster Risk Management. Bogotá Colombia. 384 p. <https://books.google.com.co/books?id=1SlkEAAAQBAJ&>

**Romero-Torres, M. & Acosta, A (Eds.). (2012)**. *Scientific Knowledge Permeating Environmental Policy*. 151 p. ISBN: 978-958-46-0994-6. <http://books.google.com.co/books?id=X7-s7UDFMrsC>

### RESEARCH WORKS (outstanding)

García Londoño, C., ..., & **Romero-Torres, M . (2023)**. Challenges to incorporate nature-based solutions and disaster risk reduction with an ecosystem approach in territorial planning in Colombia. In: National Advisory Commission for Disaster Risk Management Research (CNAIGRD) (Eds.). *Research in disaster risk management for Colombia. Local, regional and national contributions*. National Unit for Disaster Risk Management. Bogotá, Colombia. <https://books.google.com.co/books?id=5kiAEAAAQBAJ>

**Romero-Torres, M;** Acosta, A., Treml, E.A., Zapata, F.A., Paz García, D.A., Palacios, A.M. & Porter, J.W. **(2020)**. Coral Reef Resilience to Thermal Stress in the Eastern Tropical Pacific. *Global Change Biology*, 26(7). <https://doi.org/10.1111/gcb.15126>

**Romero-Torres, M.,** Treml, E.A., Acosta, A., & Paz-García, D. **(2018)**. The Eastern Tropical Pacific coral population connectivity and the role of the Eastern Pacific Barrier. *Scientific Reports (8)*, 9354. <https://doi.org/10.1038/s41598-018-27644-2>

**Romero-Torres, M.,** Acosta, A. & Treml, E.A. (2017). The regional structure of spawning phenology and the potential consequences for connectivity of coral assemblages across the Eastern Tropical Pacific. *ICES Journal of Marine Science*, 74,(3), 613-624. <https://doi.org/10.1093/icesjms/fsw218>

## PROFESSIONAL NETWORKS

- Colombian Association for Research Management and Administration (COREMA) [@COREMA](#)

## OTHER ACTIVITIES AND INTERESTS

- Grammar, written composition, and creativity
- Facebook group administrator: Marine Sciences Colombia. 3,000 members
- Data science
- Science funding
- Astrophysics
- Specialty coffees

## POLICY, TECHNICAL AND INSTITUTIONAL DOCUMENTS

**Romero-Torres, M.,** Navas-Calixto, A., Mideiro, M. (2021). *Where is the money? International funding search strategies for research projects*. <https://doi.org/10.5281/zenodo.4711459>

Strategy for the promotion of science, technology and innovation. (2020). *National System for Disaster Risk Management*. National Advisory Commission for Research in Risk Management. <https://bit.ly/ectei-grd>

CEMarin strategic research plan contributing to the future of marine sciences. (2020). Center of Excellence Corporation in Marine Sciences - CEMarin. <https://i.mp/2X80bkB>

## DIVULGATION

Creativity and Innovation in Public Disaster Risk Management. UNGRD. (2022). [Link](#).

Open science and its importance for disaster risk management. (2021). UNGRD. [link](#)

How innovation and creativity contribute to knowledge of risk. UNGRD. (2020). [Link](#)

Coral reefs show resilience to rising temperatures. (2020). Phys. Org. [link](#)

The epic journeys of coral larvae in the Pacific Ocean. (2018). Time. [link](#)

The journey of coral larvae through the interconnected network of reefs. (2018). Mongabay, Environmental Journalism. [link](#)

## PROFESSIONAL REFERENCES

### **Alberto Acosta, Ph.D.**

Associate Professor. Department of Biology, Faculty of Sciences  
Pontifical Javeriana University, Bogota, DC, Colombia  
E-mail: [laacosta@javeriana.edu.co](mailto:laacosta@javeriana.edu.co)  
Bogotá, Colombia

### **Hilario Espinosa, PhD**

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Belmont Forum  
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Panamá City, Panamá

### **Ana M. Palacio-Castro, PhD**

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