Gustavo A. Castellanos-Galindo, Dr. rer. nat.

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Google Scholar: https://scholar.google.com/citations?user=CF8bQg8AAAAJ&hl=en
Bluesky: @LatimeriaGC

Research fields

Wetland ecology and conservation, fish biology, ecology, biogeography and conservation, invasion biology, small-scale fisheries management, remote sensing of coastal environments

Education

2010-2013 **Doctor rerum naturalium** (Dr. rer. nat.) [*Summa Cum Laude*]. Bremen University and Leibniz Centre for Tropical Marine Research (ZMT), Germany. Thesis: *The temporal and spatial variability of nursery habitats for fishes in macrotidal mangrove systems of Colombia and Brazil*

2006-2008 **M.Sc. Tropical Marine Ecology**. Bremen University and Centre for Tropical Marine Research (ZMT), Germany. Thesis: *Tides and seascape configuration: determinants of reef fish intertidal migration in the tropical eastern Pacific (Colombia)*

1997-2004 **B.Sc.** Biology (Marine Biology major). Universidad del Valle, Cali, Colombia. Thesis: *Spatial and trophic organization of a tidepool fish assemblage, Malaga Bay, tropical eastern Pacific (Colombia)*

Professional experience

2025- **Programme Area Manager**, Leibniz Centre for Tropical Marine Research (ZMT), Bremen, Germany

2025- **Guest Scientist,** Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) & Freie Universität Berlin, Berlin, Germany

2022- **Research Associate**, Smithsonian Tropical Research Institute (STRI), Panama

2022-2025 **Postdoctoral Scientist** (Principal investigator DFG project), Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB) & Freie Universität Berlin, Berlin, Germany

2021-2022 **Parental Leave**

2019-2021 **Postdoctoral Fellow**, Smithsonian Tropical Research Institute (STRI), Panama

2019-2021 **Guest Scientist**, Leibniz Centre for Tropical Marine Research (ZMT), Bremen, Germany

2018-2019 **Postdoctoral Fellow**, Leibniz Centre for Tropical Marine Research (ZMT), Bremen, Germany

2016-2018 **Alexander von Humboldt Postdoctoral Fellow**, Leibniz Centre for Tropical Marine Research (ZMT), Bremen, Germany

2014-2015 **Full-time consultant**, WWF Colombia

2005-2006 **Junior Research Fellow**, Coral Reef Research Group, Universidad del Valle, Cali, Colombia

Other consulting experience

Since 2009 **Consultant**, WWF Colombia
Several assignments on small-scale fisheries management, planning of marine protected areas, fish and mangrove conservation and ocean governance in areas beyond national jurisdictions.

International research stays

India (Wildlife Institute of India) – in 2018; *Ecuador (University of Guayaquil)* – in 2017; *Panama (Smithsonian Tropical Research Institution, University of Panama)* – since 2016; *Costa Rica (University of Costa Rica)* – in 2015 and 2017; *Peru (University of Tumbes)* – in 2014 and 2018; *Scotland (University of St Andrews)* – in 2013; *Brazil* (University of Pará) – in 2011-2012 and (University of Maranhão) 2018; *Colombia (UniValle, UniNacional among others)* – since 2002

Peer-reviewed publications

[65] Enos E, **Castellanos-Galindo GA**, Robertson DR, Torchin M (*in review*) Fish eyes: windows to understanding trophic ecology, movement, and residency of a potential interoceanic invader. *Ecosphere*

[64] Chong-Montenegro C, **Castellanos-Galindo GA**, Bravo V, Robertson DR, Torchin M (*in review*). Fishers' ecological knowledge maps changing species distributions in Panama Canal's Lake Gatun. *Frontiers in Ecology and the Environment*

[63] Dominici-Arosemena A, Wolff M, **Castellanos-Galindo GA**, Jiménez JU (*in review*) Comparing reef fish community structure on both sides of the Isthmus of Panama (Central America). *Environmental Biology of Fishes*

[62] Spalding, MD. et al (incl. **Castellanos-Galindo GA**) (2026) Ambitious goals for global mangrove conservation and restoration. *Ambio*

[61] **Castellanos-Galindo GA**, Robertson DR, Bravo V, Saltonstall K, Sanchez P, Morales L, Torchin ME (2026) First confirmed record of a Shark in the freshwater lake of the Panama Canal. *Ecology and Evolution*

[60] Hübel M, **Castellanos-Galindo GA,** Jeschke JM, Abadia J, Bravo V, Briski E, Gonzalez R, Sharpe D, Torchin M, Valverde M, Kluger LC (2026) Panama Canal expansion and shifts in fishing practices: a social-ecological network approach. *People and Nature*

[59] Rickowski FS. et al (incl. **Castellanos-Galindo GA**) (2025) A systems perspective: How social-ecological networks can improve our understanding and management of biological invasions. *BioScience*

[58] Pressoto A, Hamilton SE, Santos, R, **Castellanos-Galindo GA**, Salmi R (2025) Between Dunes and Estuary: Forecasting Mangrove Forest Impacts on Primate Culture and Isolated Livelihoods in Maranhão, Brazil. *Geography and Environment*

[57] Saltonstall K. et al (incl. **Castellanos-Galindo GA**) (2025) A DNA Barcode Dataset for the Aquatic Fauna of the Panama Canal: Novel Resources for Detecting Faunal Change in the Neotropics. *Data* 10(7):108

[56] Chong-Montenegro C, Craig MT, **Castellanos-Galindo GA**, Erisman B, Coulson P, Krumme U, Baos, R, Zapata L, Vega A, Robertson DR (2025) Age and growth of the Pacific Goliath Grouper (*Epinephelus quinquefasciatus*), the largest bony reef fish of the Tropical Eastern Pacific. *Journal of Fish Biology*

[55] zu Ermgassen P. et al (incl. **Castellanos-Galindo GA**) (2025). Mangroves support an estimated annual abundance of over 700 billion juvenile fish and invertebrates. *Communications Earth & Environment*

[54] **Castellanos-Galindo GA**, Sharpe, DMT, Robertson DR, Bravo V, Jeschke JM, Torchin ME (2025) New fish migrations into the Panama Canal increase likelihood of interoceanic invasions in the Americas. *Current Biology*

[53] Chong-Montenegro C, **Castellanos-Galindo GA**, Robertson DR (2024) Local ecological knowledge as a conservation tool for identifying threats to the Pacific Goliath Grouper (*Epinephelus quinquefasciatus*) in Panama. *Aquatic Conservation: Marine and Freshwater Ecosystems*

[52] Bernard-Verdier M. et al (incl. **Castellanos-Galindo GA**) (2023). Building an atlas of knowledge for invasion biology and beyond! 2nd enKORE-INAS Workshop. *Research Ideas and Outcomes*, 9, e115395.

[51] O'Dea A, **Castellanos-Galindo GA** (2023) Increasing risk of migrations through the Panama Canal. *Bulletin of Marine Science*

[50] Andrades R, González-Murcia S, Buser TJ, Macieira RM, Andrade JM, Pinheiro HT, Vilar CC, Pimentel CR, Gasparini JL, Quintão TL, Machado FS, **Castellanos-Galindo GA**, Ruiz-Campos G, Ojeda FP, Martin KL, Giarrizzo T, Joyeux J-C. (2023) Ecology, evolution and conservation of tidepool fishes of the Americas. *Reviews in Fish Biology and Fisheries*

[49] Schürholz D, **Castellanos-Galindo GA**, Casella E, Mejía-Rentería JC, Chennu A (2023) Seeing the forest for the trees: mapping cover and counting trees from aerial images of a mangrove forest using artificial intelligence. *Remote Sensing*

[48] Schreiber L, **Castellanos-Galindo GA**, Torchin M, Robertson DR, Chavarria K, Laakmann S, Saltonstall K. (2023) Environmental DNA (eDNA) reveals potential for interoceanic fish invasions across the Panama Canal. *Ecology & Evolution* 13, e9675

[47] Balzani P, Cuthbert RN, Briski E, Galil B, **Castellanos-Galindo GA**, Kouba A, Kourantidou M, Leung B, Soto I, Haubrock, PJ (2022) Knowledge needs in economic costs of invasive species facilitated by canalization. *NeoBiota* 78: 207-223

[46] Stuthmann LE, **Castellanos-Galindo GA**, Robertson DR (2022) The functional ecology of mangrove fishes across the Isthmus of Panama. *Diversity & Distributions* 28:1663-1679 DOI: 10.1111/ddi.13519

[45] **Castellanos-Galindo GA**, Baos R, Zapata LA (2021) Mangrove-associated fish assemblages off the southern Panama Bight region (tropical eastern Pacific). *Neotropical Ichthyology* 19(4):e210025. https://doi.org/10.1590/1982-0224-2021-0025

[44] **Castellanos-Galindo GA**, Casella E, Tavera H, Zapata LA, Simard M (2021) Structural characteristics of the tallest mangrove forests of the American continent: a comparison of ground-based, drone and radar measurements. *Frontiers in Forests and Global Change* 4:732468. doi: 10.3389/ffgc.2021.732468

[43] Vilizzi L. et al (incl. **Castellanos-Galindo GA**) (2021) A global-scale screening of non-native aquatic organisms to identify potentially invasive species under current and future climate conditions. *Science of the Total Environment* 788:147868 https://doi.org/10.1016/j.scitotenv.2021.147868

[42] **Castellanos-Galindo GA,** Herrón P, Navia AF, Booth H (2021) Shark conservation and blanket bans in the Eastern Pacific Ocean. *Conservation Science and Practice* DOI: 10.1111/csp2.428

[41] **Castellanos-Galindo GA**, Kluger LC, Camargo MA, Cantera J, Mancera E, Blanco-Libreros JF, Wolff M (2021) Mangrove research in Colombia: temporal trends, geographical coverage and research gaps. *Estuarine, Coastal and Shelf Science* 248:106799

[40] zu Ermgassen P. et al (incl. **Castellanos-Galindo GA**) (2021) Fishers who rely on mangroves: Modelling and mapping the global intensity of mangrove-associated fisheries. *Estuarine, Coastal and Shelf Science* 248:106975

[39] **Castellanos-Galindo GA,** Medina-Contreras D, Lazarus JF, Cantera JR (2020) Cryptobenthic fishes in the National Natural Park Uramba Bahía Málaga (Colombia), tropical eastern Pacific. *Bulletin of Marine and Coastal Research* 49 (Supl. Esp.):119-136

[38] **Castellanos-Galindo GA**, Robertson DR, Sharpe, DMT, Torchin ME (2020) A new wave of marine fish invasions through the Panama and Suez canals. *Nature Ecology and Evolution* 4:1444-1446

[37] **Castellanos-Galindo GA**, Robertson DR (2020) A tropical fish out of water. *Frontiers in Ecology and the Environment* 18:390

[36] Stuthmann LE, **Castellanos-Galindo GA** (2020) Trophic position and isotopic niche of mangrove fish assemblages at both sides of the Isthmus of Panama. *Bulletin of Marine Science* 96:449-468

[35] Herrón P, Kluger LC, **Castellanos-Galindo GA**, Wolff M, Glaser M (2020) Understanding gear choices and identifying leverage points for sustainable tropical small-scale marine fisheries. *Ocean & Coastal Management* 188:105074

[34] Mejia-Renteria JC, **Castellanos-Galindo GA**, Osorio-Cano JD, Casella E (2020) Subaerial exposure of coral reefs during spring low tides in the Eastern Pacific. *Bulletin of Marine Science* 96:219-220

[33] **Castellanos-Galindo GA**, Casella E, Mejia-Renteria JC, Rovere A (2019) Habitat mapping of remote coasts: evaluating the usefulness of lightweight unmanned aerial vehicles for conservation and monitoring. *Biological Conservation* 239:108282

[32] **Castellanos-Galindo GA**, Robertson DR, Pacheco-Chaves B, Angulo A, Chong-Montenegro C (2019) Atlantic Tarpon in the Tropical Eastern Pacific 80 years after it first crossed the Panama Canal. *Reviews in Fish Biology and Fisheries* 29:401-416

[31] Herrón P, **Castellanos-Galindo GA**, Stäbler M, Díaz JM, Wolff M (2019) Towards Ecosystem-Based Assessment and Management of Small-Scale and Multi-Gear Fisheries: Insights From the Tropical Eastern Pacific. *Frontiers in Marine Science* 6:127. doi: 10.3389/fmars.2019.00127

[30] **Castellanos-Galindo GA**, Zapata LA (2019) Chapter 20: Small-Scale Fisheries on the Pacific Coast of Colombia: Historical Context, Current Situation, and Future Challenges In: Jentoft S, Franz N, Barragan Paladines MJ, Chuenpagdee R (Eds) Viability and Sustainability of Small-Scale Fisheries in Latin America and the Caribbean. Springer

[29] **Castellanos-Galindo GA**, Moreno X, Robertson DR (2018) Risks to eastern Pacific marine ecosystems from sea-cage mariculture of alien Cobia. *Management of Biological Invasions 9:*323-327

[28] Pülmanns N, **Castellanos-Galindo GA**, Krumme U (2018) Tidal-diel patterns in feeding and abundance of armed snook *Centropomus armatus* from macrotidal mangrove creeks of the tropical Eastern Pacific. *Journal of Fish Biology* 93:850-859

[27] Mejía-Renteria JC, **Castellanos-Galindo GA**, Cantera-Kintz JR, Hamilton SE (2018) A comparison of Colombian Pacific mangrove extent estimations: implications for the conservation of a unique Neotropical tidal forest. *Estuarine, Coastal and Shelf Science* 212:233-240

[26] Hamilton SE, **Castellanos-Galindo GA**, Millones M, Chen M (2018) Remote Sensing of Mangrove Forests: Current Techniques and Existing Databases. In: Makowski C, Finkl CW (Eds) Threats to Mangrove Forests: Hazard, Vulnerability and Management. Springer International Publishing, Cham Switzerland

[25] **Castellanos-Galindo GA,** Chong C, Baos R, Zapata LA, Tompkins P, Graham R, Craig M (2018) Using landing statistics and fisher's traditional ecological knowledge to assess Pacific goliath grouper conservation threats in Colombia. *Aquatic Conservation: Marine and Freshwater Ecosystems* 28:305-314

[24] **Castellanos-Galindo GA**, Cantera J, Valencia N, Giraldo S, Peña E, Kluger LC, Wolff M (2017) Modeling trophic flows in the wettest mangroves of the world: the case of Bahía Málaga in the Colombian Pacific coast. *Hydrobiologia* 803:13-27

[23] Lee SY, Jones EBG, Diele K, **Castellanos-Galindo GA**, Nordhaus I (2017) Chapter 3: Biodiversity. In: Rivera-Monroy V, Lee SY, Kristensen E, Twilley RR (Eds) Mangrove Ecosystems: A Global Biogeographic Perspective. Structure, Function and Services. Springer

[22] **Castellanos-Galindo GA**, Kluger LC, Tompkins P (2017) Panama's impotent mangrove laws. *Science* 355(6328):918-919

[21] Ramírez-Martínez GA, **Castellanos-Galindo GA**, Krumme U (2016) Tidal and diel patterns in abundance and feeding of a marine-estuarine-dependent fish from macrotidal mangrove creeks in the Tropical Eastern Pacific (Colombia). *Estuaries and Coasts* 39:1249-1261

[20] **Castellanos-Galindo GA**, Baos R, Zapata LA (2016) Mariculture-induced introduction of cobia *Rachycentron canadum* (Linnaeus, 1766), a large predatory fish, in the Tropical Eastern Pacific. *BioInvasions Records* 5:55-58

[19] Baos R, **Castellanos-Galindo GA**, Chong C, Tompkins P, Zapata LA (2016) Length-weight relationship of the Pacific goliath grouper, *Epinephelus quinquefasciatus* (Bocourt, 1868). *Journal of Applied Ichthyology* 32:727-728

[18] **Castellanos-Galindo GA,** Krumme U (2015) Tides, salinity and biogeography affect fish assemblage structure and function in macrotidal mangroves of the Neotropics. *Ecosystems* 18: 1165-1178

[17] Hutchison J, et al. (incl. **Castellanos-Galindo GA**) (2015) Building an Expert-Judgment-Based Model of Mangrove Fisheries. *American Fisheries Society Symposium* 83:17-42

[16] **Castellanos-Galindo GA**, Cantera J, Saint-Paul U, Ferrol-Schulte D (2015) Threats to mangrove social-ecological systems in the most luxuriant coastal forests of the Neotropics. *Biodiversity and Conservation* 24:701-704

[15] **Castellanos-Galindo GA,** Krumme U (2014) Long-term stability of tidal-related patterns in mangrove creek fish assemblages in North Brazil. *Estuarine and Coastal Shelf Science* 149:264-272

[14] **Castellanos-Galindo GA**, Giraldo A, Zapata FA (2014) Tidepool fish assemblages of Gorgona Island, Colombian Pacific coast: a local and regional comparison. *Revista de Biologia Tropical* 62:373-390

[13] **Castellanos-Galindo GA,** Krumme U (2013) Tidal, diel and seasonal effects on intertidal mangrove fish in a megahumid area of the Tropical Eastern Pacific. *Marine Ecology Progress Series* 494:249-265

[12] **Castellanos-Galindo GA,** Krumme U (2013) Mangrove fish assemblages from data-sparse regions and the measurement of ecological equivalence. *Marine Ecology Progress Series* 474:299-302

[11] **Castellanos-Galindo GA,** Krumme U, Rubio EA, Saint-Paul U (2013) Spatial variability of mangrove fish assemblage composition in the tropical eastern Pacific Ocean. *Reviews in Fish Biology and Fisheries* 23:69-86

[10] **Castellanos-Galindo GA**, Sanchez GC, Beltrán-León BS, Zapata LA (2011) A goby-fry fishery in the northern Colombian Pacific Ocean. *Cybium* 35(4):391-395

[9] **Castellanos-Galindo GA**, Cantera JR, Espinosa S, Mejía-Ladino LM (2011) Use of local ecological knowledge, scientist's observations and grey literature to assess marine species at risk in a tropical eastern Pacific estuary. *Aquatic Conservation: Marine and Freshwater Ecosystems* 21:37-48

[8] **Castellanos-Galindo GA**, Krumme U, Willis TJ (2010) Tidal influences on fish distributions on tropical eastern Pacific rocky shores (Colombia). *Marine Ecology Progress Series* 416:241-254

[7] **Castellanos-Galindo GA**, Giraldo A (2008) Food resource use in a tropical tidepool fish assemblage, Colombia. *Marine Biology* 153(6):1023-1035

[6] **Castellanos-Galindo GA**, Rodríguez-Moreno M, Escarria E (2007) Spatial distribution of damselfishes (Pomacentridae) in a coral reef of the Colombian Caribbean. Cespedesia 29 (84-85):65-76 [In Spanish]

[5] **Castellanos-Galindo GA**, Rubio EA, Beltrán-León B, Zapata LA, Baldwin C (2006) Check-List of gadiform, ophiidiform and lophiiform fishes from Colombian waters of the Tropical eastern Pacific. *Biota colombiana* 7(2):191-209

[4] **Castellanos-Galindo GA**, Rubio EA, Beltran-Leon B, Baldwin C (2006) Check-List of stomiiform, aulopiform and myctophiform fishes from Colombian waters of the Tropical eastern Pacific. *Biota colombiana* 7(2):245-262

[3] **Castellanos-Galindo GA**, Caicedo-Pantoja JA, Mejía-Ladino LM, Rubio EA (2006) Marine and estuarine fishes of Malaga Bay, Valle del Cauca, Colombian Pacific Ocean. *Biota colombiana* 7(2):263-282

[2] Rodriguez J, Ospina R, Berrio M, Cepeda B, **Castellanos G**, Valencia M (2006) Daily periodicity of macro-invertebrate drift and organic matter in a Tropical mountain Stream, Nariño, Colombia [In Spanish]. *Acta Biológica colombiana* 11S:47-53

[1] **Castellanos-Galindo GA**, Giraldo A, Rubio EA (2005) Community structure of an assemblage of tidepool fishes in a Tropical eastern Pacific rocky shore, Colombia. *Journal of Fish Biology* 67:392-408

Editorials

[1] Mancera Pineda JE, Blanco-Libreros JF, Adame F, **Castellanos-Galindo GA**, Chapman SK, Diele K, Rogers K (2025) Mangrove ecosystems for human well-being in a changing planet. *Bulletin of Marine Sciences* https://doi.org/10.5343/bms.2024.0087

Peer-reviewed and non peer-reviewed reports

[6] **Castellanos-Galindo GA**, Hampton S, Naranjo LG, Zapata Padilla LA, Bueno Martinez PA, Gaymer C, Boteler B, Durussel C (2022) Study on Measures to Support Conservation Efforts for Areas Beyond National Jurisdiction in the Southeast Pacific Region. STRONG High Seas project, Institute for Advanced Sustainability Studies (IASS), Potsdam, Germany DOI: 10.48481/iass.2022.013

[5] Olivares-Arenas M, Yanicelli B, Zapata-Padilla LA, Sfeir R, **Castellanos-Galindo G**, Aburto J., Boteler B, Guerrero P (2021) Aspectos socioeconómicos de la biodiversidad fuera de las áreas jurisdiccionales del Pacífico Sudeste, STRONG

High Seas project, Institute for Advanced Sustainability Studies (IASS), Potsdam, Germany https://doi.org/10.48481/iass.2021.013

[4] Boteler B, et al (incl. **Castellanos-Galindo GA**) (2019) Ecological Baselines for the Southeast Atlantic and Southeast Pacific: Status of Marine Biodiversity and Anthropogenic Pressures in Areas Beyond National Jurisdiction. STRONG High Seas Project, Institute for Advanced Sustainability Studies (IASS), Potsdam, Germany. https://doi.org/10.2312/iass.2019.061

[3] **Castellanos-Galindo G** (2018) Mangrove, Fish, and People in Latin America. Edition Falkenberg.

[2] **Castellanos-Galindo GA**, Martínez LMP, Castañeda UN, Zapata LA (2015) Mangrove fishes of the Colombian Pacific coast. WWF-Colombia.

[1] **Castellanos-Galindo GA**, Zapata LA (2013) Migratory bony fishes of Colombia. Pp 129-214. In: Zapata L.A., Usma J.S. (Eds). Factsheets of the migratory species in Colombia: Fishes [In Spanish]. Ministerio de Ambiente, Vivienda y Desarrollo Territorial y WWF-Colombia. Bogotá DC, Colombia. 486 pp.

Selected Grants and Scholarships since 2010 *(Total ~ 1,1 Million US$)*

2022-2025 **Deutsche Forschungsgemeinschaft (DFG, Eigene Stelle)** "Die Auswirkungen der Erweiterung des Panamakanals auf Fisch-Invasionen am Isthmus von Panama" Host: Jonathan Jeschke, UF Berlin & Leibniz IGB [**410,000 US$**]

2019-2021 **Smithsonian postdoctoral fellowship** "Marine fish invasions across the Panama Canal: what factors influence passage success? – Supervisors: Mark Torchin and D. Ross Robertson [**100,000 US$**]

2019-2021 **DAAD – GIZ** "Ghost net Fishery - Reef ecosystem restauration of Esmeraldas, Ecuador, following damages caused by ghost gears and other unsustainable fishing practices". – with Matthias Wolff (ZMT) and Judith Denkinger (USFQ Ecuador) [**225,000 US$**]

2018-2021 **Federal Ministry of Education and Research** (BMBF) "Nahrungsnetze in den Mangroven der Kolumbianischen Pazifikküste und ihre Rolle bei der Erklärung von Fischereiproduktivität und Ressourcennutzung (MAKOPA)" – with Matthias Wolff (ZMT) and Jaime Cantera (UniValle) [**59,690 US$**]

2019-2020 **CEMarin** "Shallow-water habitat mapping in remote tropical coasts: evaluating the usefulness of lightweight unmanned aerial vehicles for conservation and monitoring" – with Jaime Cantera (UniValle) and Andres Osorio (UniNacional) [**3,500 US$**]

2018-2019 **BMBF** [US$ 79,011] "Schutz mariner Biodiversität und ökosystemarer Dienstleistungen in Lateinamerika unter Bedingungen des globalen Klimawandels (SELAMABIO)" Preparation phase for H2020 proposal –with Matthias Wolff and Valeria Bers (ZMT) [**79,011 US$**]

2018 **Conservation Leadership Programme (CLP)** "Using traditional ecological knowledge and ecosystem-based models to conserve aquatic ecosystems in India" – with Paromita Ray (Wildlife Institute of India) [**1,800 US$**]

2016-2018 **Alexander von Humboldt Foundation Georg-Forster Research Fellowship** "Understanding and valuing mangrove ecosystem function and services in the Panama Bight eco-region" – Postdoc project [**91,000 US$**]

2015-2018 **Colombian Science Agency** (COLCIENCIAS) "Food web dynamics in mangrove areas of the Colombian Pacific coast: combining isotopic tools and mass balance ecosystem models" – with Prof. Jaime Cantera and Prof. Enrique Peña (UniValle) [**80,000 US$**]

2014-2015 **Rufford Small Grant Foundation** (Booster grant) "Mangroves as providers of ecosystem services in the Tropical Eastern Tropical region under the influence of climate variability" [**19,640 US$**]

2010-2013 **Centre of Excellence in Marine Sciences** (CEMarin) /**DAAD** scholarship for doctoral studies [**40,000 US$**]

2010-2011 **Conservation Leadership Programme (CLP)** – "Conservation status of the Pacific Goliath Grouper in Colombia" [**12,500 US$**]

Awards

2019 Smithsonian Postdoctoral Fellowship

2018 Nomination for Robert Bosch Professorship in "Research into the Sustainable Use of Natural Resources Sustainability"

2016 Alexander von Humboldt Fellowship

2016 Smithsonian Senior Latin American Fellowship

2014 Nomination for the best PhD dissertation of the German Leibniz Society in 2013

Editorial service

Associate Editor: Marine Biology (since 2023)

Review Editor: Endangered Species Research (Since 2020)
Reviewer for: Acta Ichthyologica et Piscatoria, *Conservation Letters, Conservation Science and Practice, Diversity and Distributions, Ecography, Ecology, Ecology & Evolution, Endangered Species Research*, *Environmental Biology of Fishes, Environmental Conservation, Environmental Science & Policy, Estuaries and Coasts, Estuarine Coastal and Shelf Science*, *Fisheries Science*, *Fish and Fisheries*, *Frontiers in Ecology and the Environment*, *Frontiers in Marine Sciences*, *Global Ecology and Biogeography*, *Hydrobiologia*, *International Journal of the Commons*, *Journal of Experimental Marine Biology and Ecology*, *Journal of Fish Biology*, *Journal of the Marine Biological Association of the United Kingdom*, *Marine and Coastal Fisheries, Marine Biology*, *Marine Biology Research*, *Marine Ecology Progress Series*, *Marine Environmental Research*, *Marine Policy*, *Neotropical Ichthyology*, *Ocean & Coastal Management*, *PeerJ*, *People and Nature*, *PLOS ONE*, *Regional Studies in Marine Science*, *Reviews in Fish Biology and Fisheries*, *Revista de Biología Tropical*, *Wetlands Ecology and Management*

Student supervision and examination

2024-2025	Loraine Pesch, Freie Universität Berlin, Germany - **Supervisor MSc thesis**
2023-2024	Ethan Enos, Tropimundo Erasmus Mundus Masters, Belgium - **Supervisor MSc thesis**
2023-2024	Michelle Hübell, GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany - **Supervisor MSc thesis**
2023-2024	Jakob Siepmann, Freie Universität Berlin, Germany - **Supervisor BSc thesis**
2023-2024	Klara Kaiser, Freie Universität Berlin, Germany - **Supervisor MSc thesis**
2022	David Strasiewsky, Freie Universität Berlin, Germany - **Supervisor MSc thesis**
2022	Elisabeth Renk, GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany **- Supervisor MSc internship**
2021	Luis Sandoval Londoño, Universidad de Antioquia, Colombia **- External examiner PhD thesis**
2020	Ivonne Amelia Vivar Linares, Bremen University, Germany **- External examiner MSc thesis**
2019-2020	Lennart Schreiber, Bremen University, Bremen, Germany **- Supervisor MSc thesis**
2019	Victoria Alejandra Sierra, Universidad del Valle, Colombia **- External examiner BSc thesis**
2019	Kelvin Ntaswila Mukuka, Bremen University Germany **- External examiner, MSc thesis**
2016-2019	Pilar Herron, Bremen University, Germany **- PhD supervisor panel member**
2017	Alejandra Sepulveda, Bremen University, Germany **- External examiner PhD thesis**
2016-2017	Lara Stuthmann, Bremen University, Germany **- Supervisor MSc thesis**
2015-2016	Carolina Chong, Bremen University, Germany **- Supervisor MSc thesis**
2014-2015	Victoria Castillo, Universidad del Valle, Colombia **- Supervisor BSc thesis**
2011	Nathalie Pülmanns, Bremen University, Germany **- Field supervisor MSc thesis**
2011	Paul Tuda, Bremen University, Germany **- Field supervisor MSc thesis**
2010-2011	Gustavo Ramirez, Universidad del Valle, Cali, Colombia **- Main supervisor BSc thesis**

Invited Seminars

2025	Tupper Seminar Smithsonian Tropical Research Institute, Panama
2022 & 2023	Current Topics in Marine Ecology, GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany

Languages

Spanish – Mother tongue**;** *English* – Full Professional Proficiency**;** *German* – Medium Professional Proficiency (Goethe-Zertifikat B2)**;** *Portuguese* – Minimum Professional Proficiency

Skills

- Proficient in: R programming language, Ecopath with Ecosim (EwE) modeling software, QGIS, Agisoft Metashape photogrammetry software.
- PADI advance certified diver, drone pilot.
- Leadership skills: interdisciplinary and cross-cultural project lead and management, field work coordination
- Organization of meetings: conference (sessions), interdisciplinary research exchanges, transdisciplinary workshops in Germany and several tropical countries