

## JUAN PABLO QUIMBAYO

Department of Evolution, Ecology and Organismal Biology  
The Ohio State University, Columbus, OH – 43210, United States  
<http://quimbayojp.weebly.com/>

### EDUCATION

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- 2013-2017. **Ph.D. Ecology.** *Universidade Federal de Santa Catarina*, Florianópolis, SC, Brazil.  
2011-2013. **M.Sc. Ecology.** *Universidade Federal de Santa Catarina*, Florianópolis, SC, Brazil.  
2004-2009. **B.Sc. Marine Biology.** *Universidad del Valle*, Colombia, Cali, VC, Colombia.

### RESEARCH APPOINTMENTS

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- 2022-Present **Researcher Scientist**, *The Ohio State University*, Columbus, OH, United States. Spatio-temporal scaling of avian diversity change.  
**Postdoctoral researcher**, *Smithsonian Environmental Research Center*, Edgewater, MD, United States. Linking climate change and the past, present, and future of fish communities  
2021-2022 **Postdoctoral researcher**, *Centro de Biologia Marinha, University de São Paulo*, São Sebastião, SP, Brazil. Climate drivers of reef fish functional diversity in the Atlantic Ocean.  
2019-2021 **Postdoctoral researcher**, *Universidade Federal Fluminense*, Niterói, RJ, Brazil. Temporal trends fish populations in oceanic islands.

### PROFESSIONAL EXPERIENCE

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- 2019-2022 Long-term Monitoring program in Alcatrazes Archipelago. Employer: Instituto Chico Mendes de Conservação da Biodiversidade (ICMBio), Brazil. Activity: PI  
2018-2019 Academic visitor, *University of Montpellier*. Montpellier, France.  
PELD/ILOC: Long-term Monitoring Project of Reef Communities in Oceanic islands. Employer: Dr. Carlos E.L. Ferreira, *Fluminense Federal University*. Brazil. Activity: Researcher.  
2017-2018 Academic visitor, Institut de Recherche pour le Développement. Perpignan, France.  
2015 Academic visitor, California Academy of Sciences. San Francisco, United States.  
2014 SISBIOTA-Mar: Brazilian National Research Network on Marine Biodiversity. Employer: Dr. Sergio R. Floeter, *Universidade Federal de Santa Catarina*. Brazil. Activity: Logistics manager.  
2014-2016 MAARÉ: Monitoramento Ambiental da Reserva Biológica Marinha do Arvoredo e Entorno. Employer: Dr. Barbara R. Segal. *Universidade Federal de Santa Catarina*. Brazil. Activity: Researcher.  
2011-2014 Projeto Hippocampus. Employer: Employer: Dr. Rosana Silveira. Brazil. Activity: Researcher.  
2010-2011 Laboratório de Biogeografia e Macroecologia Marinha. Employer: Dr. Sergio R. Floeter, *Universidade Federal de Santa Catarina*. Brazil. Activity: Researcher.  
2008-2009 Grupo de Ecología de Arrecifes Coralinos. Employer: Dr. Fernando A. Zapata. *Universidad del Valle*, Colombia. Activity: Researcher.

### RESEARCH GRANTS

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- 2023-2024 Kellogg Foundation Postdoctoral Recruitment Onboarding Supplement (OK-PROS) program. *The Ohio State University*, United States. **(PI, US\$ 5,000)**.  
2021-2022 Fundação de Amparo a Pesquisa do Estado de São Paulo (FAPESP). Project: Linking climate change and the past, present, and future of fish communities. *Smithsonian Environmental Research Center*, United States. **(PI, US\$ 52,000)**.  
2019-2021 Fundação de Amparo a Pesquisa do Estado de São Paulo (FAPESP). Project: Climate drivers of reef fish functional diversity in the Atlantic Ocean. *Centro de Biologia Marinha, University de São Paulo*. Brazil. **(PI, US\$ 39,200)**.

## TRAVEL GRANTS

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2023	II Workshop for the Global Coral Reef Monitoring Network Eastern, Universidad del Valle, Cali, Colombia. <b>US\$1200</b>
2022	Lecture visitor, Universidad del Valle, Cali, Colombia. <b>US\$1200</b>
2022	Lecture visitor, <i>Universidad de Guadalajara</i> , Jalisco, México. <b>US\$1,800</b>
2022	Workshop on the scoping of the next assessment(s) of the United Nations regular process for the South Atlantic (between the African and American coast) and the wider Caribbean area. Buenos Aires, Argentina. <b>US\$ 2,000</b>
2022	Benthic Ecology Meeting, Portsmouth, United States. <b>US\$ 400</b>
2022	Fourth ICES PICES Early Career Scientist Conference (ECSC4) in St. John's Newfoundland, Canada. <b>CAD\$ 240</b>
2022	Workshop of fish community dynamics and diversity. <i>Technical University of Denmark</i> . Copenhagen, Denmark. <b>US\$2,000</b>
2020	Lecture visitor, Universidad de Costa Rica. San José, Costa Rica. <b>US\$ 300</b>
2020	Workshop Temporal Series of Marine Ecosystems, <i>Universidade Federal Fluminense</i> . Arraial do Cabo, Brazil. <b>US\$300</b>
2019	Workshop for the Global Coral Reef Monitoring Network Eastern Pacific. <i>Galápagos foundation</i> , Galápagos, Ecuador. <b>US\$ 1,700</b>
2018	Workshop of Marine Biodiversity: from the Sea to the Cloud. Fundação de Amparo a Pesquisa do Estado de São Paulo (FAPESP). São Sebastião, Brazil. <b>US\$ 500</b>

## AWARDS

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2017	Best Ph.D. thesis, Program in Ecology, <i>Universidade Federal de Santa Catarina</i> , Florianópolis, Brazil.
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## FELLOWSHIPS & SCHOLARSHIPS

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2017-2019	Postdoctoral scholarship – <i>Temporal variation of reef communities at oceanic islands</i> . Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq). Brazil. <b>US\$ 21,866</b>
2015-2017	Ph.D. Scholarship – <i>Determinants of fish assemblages in oceanic islands</i> . Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq). Brazil. <b>US\$ 23,466</b>
2013-2014	Technician Scholarship – SISBIOTA-Mar: Brazilian National Research Network on Marine Biodiversity. Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq). Brazil. <b>US\$ 21,150</b>
2011-2013	Master of Science Scholarship – <i>Comparison of reef fish assemblages of Atlantic and Eastern Pacific oceanic islands</i> . Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES). Brazil. <b>US\$ 8,000</b>
2011-2013	Technician Scholarship – Projeto Hippocampus. PETROBRAS. Brazil. <b>US\$ 10,000</b>
2010-2011	Technician Scholarship – Laboratório de Biogeografia e Macroecologia Marinha. <i>Universidade Federal de Santa Catarina</i> , Brazil. <b>US\$ 2,000</b> .
2008-2009	Fieldwork Scholarship – Grupo de de Ecología de Arrecifes Coralinos, Universidad del Valle, Colombia. <b>US\$ 1000</b>

## TEACHING EXPERIENCE

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2022	Biodiversity: A Multifaceted Horizon. <i>Tutor</i> (40h/week) – Cooperation between LEIBNIZ CENTRE for Tropical Marine Research (Germany) and Universidad del Valle (Colombia).
2022	Marine Macroecology and Biogeography <i>Tutor</i> (20h/week). Universidade Estadual do Norte Fluminense. Brazil.
2022	Análisis Ecológico Usando R. <i>Tutor</i> (50h/week). Universidad de Guadalajara, México.

- 2020 EC0234 – Marine Macroecology and Biogeography. *Tutor* (24h/week). Universidad de Costa Rica.
- 2019–2021 BIE5738 – Marine Macroecology and Biogeography. *Tutor* (60h/3 week). Universidade de São Paulo. Brazil.
- 2018 – Marine Macroecology and Biogeography. *Tutor* (60h/3 week). Universidade Federal Fluminense. Brazil
- 2017-2018 ECO3201000 – Ecology, Evolution and Conservation of Reef Fish (40h/week) Cooperation between Universidade Federal Fluminense and Universidade Federal de Santa Catarina. Brazil
- 2017 ECO410019 – Biogeography, Macroecology and Evolution. *Tutor* (32h/week). Universidade Federal de Santa Catarina. Brazil
- ECO410037 – Scientific communication. *Tutor* (32h/week). Universidade Federal de Santa Catarina.
- 2016 ECZ7015 – Vertebrates. *Co-tutor* (3h/week). Universidade Federal de Santa Catarina. Brazil.
- 2015 ECZ7025 – Community ecology. *Field tutor*. (4h/week). Universidade Federal de Santa Catarina. Brazil
- 2011 ECZ7033 – Populations ecology. *Field tutor*. (2h/week). Tutor. Universidade Federal de Santa Catarina. Brazil.

## STUDENT MENTORSHIP

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### Graduate students

- 2019-2023 Fernanda Carolina da Silva. Impacts of climate change on functional diversity of reef fishes in the Atlantic Ocean. *Universidade Federal de Santa Catarina*, Brazil.
- 2019-2023 Camila de Rezende Barreto. Functional ecology of sea the green turtle (*Chelonia mydas*): interactions with macroalgae in shallow rocky reefs. *Universidade de São Paulo*, Brazil.
- 2019-2023 Andrea Arriaga Madrigal. Drivers of the functional diversity of herbivorous fishes in the Eastern Pacific. *Universidad de Costa Rica*, Costa Rica
- 2018-2020 Débora Ferrari da Silva. Marine Island Biogeography: a functional perspective. *Universidade Federal de Santa Catarina*, Brazil.

### Undergraduate students

- 2017-2018 Gabriella Souza Motta. Unraveling past and present of benthic communities at Brazilian oceanic islands. Universidade Federal Fluminense, Brazil.
- 2017-2018 Ana Clara Suhett. Understanding recreational spearfishing in Abrolhos Bank through social medial posts. Universidade Federal Fluminense, Brazil
- 2016-2017 Kelly Yumi Inagaki. Influence of parasitism on feeding behavior of *Stephanolepis hispidus* at the Brazilian Province. Universidade Federal de Santa Catarina, Brazil
- 2015-2016 Otavio Schilickmann Rottgers Cardoso. Cleaning interactions in rock reefs of the south of Brazil. Universidade Federal de Santa Catarina, Brazil.

## PUBLICATIONS

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*Published articles in peer-reviewed scientific journals* = 50

*Submitted articles/chapters under review* = 7

*Published chapters in scientific books/reports* = 8

*Published data packages* = 11

*Articles in prep.* = 12

*Citation* = 1064

*H-index* = 16

**Quimbayo JP:** \* co-first authorship \*\* supervised students, + senior authorship, +\* corresponding author

50. **Quimbayo JP<sup>+</sup>\***, Murphy S, Jarzyna M. (2024) Functional reorganization of North American wintering avifauna. *Ecology Letters*. (Accepted).
49. **\*\*Barreto CR, Quimbayo JP, Mendes TC, Cordeiro CMM, Flores AAV.** (2024). Spatial structure and potential processes linking pelagic and benthic communities in a protected reef ecosystem in SE Brazil. *Marine Ecology Progress Series*. (Accepted).
48. Eggertsen L, Luza A, Cordeiro CMM, Dambros C, Dias MS, Ferreira CEL, Floeter SR, Francini-Filho RB, Freire K, Gasalla M, Giarrizzo T, Giglio VJ, Hanazaki N, Lopes P, Longo GO, Luiz OJ, Magris R, Mendes TC, Pinheiro HT, **Quimbayo JP**, Reis-Filho JA, Vila-Nova D, Bender MG. (2024). Complexities of reef fisheries in Brazil: a retrospective and functional approach. *Review in Fish Biology and Fisheries*. 34: 511-538. DOI: 10.1007/s1160-023-09826-y.
47. Teles JN, Peres PA, Jimenez LCZ, Mantelatto FL, **Quimbayo JP.<sup>+</sup>** (2024) Congruence among taxonomic, functional, and phylogenetic diversity of mangrove crabs on the Southwestern Atlantic. *Marine Biology*. 171: 25. DOI: 10.1007/s00227-023-04326-w.
46. Waechter L, Luza AI, Eggertsen L, Dambros C, Almeida-Neto M, **Quimbayo JP**, Hanazaki N, Longo GO, Giglio VJ, Cordeiro CAMM, Mendes TC, Luiz, OJ, Bender MG, Pinheiro HT (2024). The aesthetic value of Brazilian reefs: From species to seascape. *Ocean and Coastal Management*. 247: 106882.
45. Luza A, Barneche D, Cordeiro CAMM, Dambros C, Ferreira CEL, Floeter SR, Giglio V, Luiz OJ, Mendes TC, Piccolotto V, **Quimbayo JP**, **\*\*Silva FC**, Waechter L, Longo GO, Bender MG. (2023). Going across taxa in functional ecology: review and perspectives of an emerging field. *Functional Ecology*. 37(12): 3091-3110. DOI: 10.1111/1365-2435.14442.
44. Dubuc A, **\*Quimbayo JP<sup>+</sup>\***, Alvarado JJ, Araya-Arce T, **\*\*Arriaga A**, Ayala-Bocos A, Casas-Maldonado JJ, Chasqui L, Cortés J, Cupul-Magaña AL, Olivier D, Olán-González M, González-Leiva A, Reyes-Bonilla H, Smith F, Rivera F, Rodríguez-Zaragoza F, Rodríguez-Villalobos JC, Segovia J, Zapata FA, Bejarano S. Patterns of reef fish taxonomic and functional diversity in the Eastern Tropical Pacific. *Ecography*. e06536.
43. **Quimbayo JP<sup>+</sup>\***, Freitas R, Rocha LA, Pinheiro HT. Are cleaning interactions offered by large cleaners positive? *Journal of Natural History*. 57:1152-1156.
42. Pinheiro HT, MacDonald C, Santos RG, Bobat A, Cresswell B, Francini-Filho R, Galbraith G, Musembi P, Phelps TA, **Quimbayo JP**, Quiroz AL, Shepherd B, Stefanoudis P, Teixeira JB, Woodall L, Rocha LA. (2023). Plastic pollution peaks in the mesophotic zones of the world's coral reefs. *Nature*. 619: 311-316.
41. Joia LMG, Garcia G, Cordeiro CAMM, Gouveia N, Ferreira CEL, Bender MG, Longo GO, **Quimbayo JP**, Gherardi D. (2023). Complex phylogenetic origin and geographic isolation drive reef fishes response to environmental variability in oceanic islands of the Southwestern Atlantic. *Ecography*. ecog.06559.
40. **\*\*Silva FC**, Floeter SR, Lindegren M, **Quimbayo JP.<sup>+</sup>** (2023). Warming induced changes in reef fish community traits in the Southwestern Atlantic transition zone. *Marine Ecology Progress Series*. 710:107-123.
39. Luza A, Aued AW, Barneche DR, Dias MS, Floeter SR, Ferreira CEL, Francini-Filho RB, Longo GO, **Quimbayo JP**, Bender MG. (2023). Functional diversity patterns of fish, corals, and algae in the Brazilian biogeographic provinces. *Journal of Biogeography*. 50(6): 1163-1176.
38. Pinheiro HT, MacDonald C, **Quimbayo JP**, Shepherd B, Phelps TA, Loss AC, Teixeira JB, Rocha LA. (2023). Assembly rules of coral reef fish communities along the depth gradient. *Current Biology*. 33(8): 1421-1430.
37. **Quimbayo JP<sup>+</sup>\***, Nunes LT, **\*\*Silva FC**, Anderson AB, Barneche DR, Liedke AMR, Canterle AM, Cord I, Dalben A, Ferrari DS, Fontoura L, Fiuza TMJ, Longo GO, Morais RA, Siqueira AC, Floeter SR. (2023). TimeFISH: Long-term assessment of reef fish assemblages in a transition zone in the Southwestern Atlantic. *Ecology*. e3966.
36. Ferrari DS<sup>\*\*</sup>, Floeter SR, Leprieur F, **Quimbayo JP.<sup>+</sup>\*** (2023). A trait-based approach to marine island biogeography. *Journal of Biogeography*. 50(3): 528-538.
35. Cordeiro CAMM, Aued AW, Barros F, Bastos AC, Bender MG, Mendes TC, Creed J, Cruz ICS, Dias MS, Esteves FA, Fernandes LDA, Countinho R, Gonçalves JEA, Floeter SR, Mello-Fonseca J, Freire AS, Gherardi DFM, Gomes LEO, Lacerda F, Martins RL, Longo GO, Mazzuco ACA,

- Menezes R, Muelbert JH, Paranhos R, **Quimbayo JP**, Valentin JL, Ferreira CEL. (2022). Long-term monitoring projects of Brazilian marine and coastal ecosystems. *PeerJ*. 10:e14313.
34. Luza A, **Quimbayo JP**, Ferreira CEL, Francini-Filho RB, Bender MG, Longo GO. (2022). Low functional vulnerability to fish assemblages to coral loss in Southwestern Atlantic marginal reefs. *Scientific reports*. 12:17164
  33. **Quimbayo JP**<sup>+</sup>, <sup>\*\*</sup>Silva FC, <sup>\*\*</sup>Barreto CR, Pavone CB, Lefcheck JS, Leite K, Figueiroa AC, Correia E, Flores AAV. (2022). The COVID-19 pandemic has altered illegal fishing activities inside and outside a marine protected area. *Current Biology* 32(14): R765-R766.
  32. Maxwell MF, Leprieur F, **Quimbayo JP**, Floeter SR, Bender MG. (2022). Global patterns and drivers of multiple components of beta diversity in reef fish faunas. *Journal of Biogeography* 49: 954–967.
  31. **Quimbayo JP**<sup>+</sup>, Mendes TC, Barneche DR, Dias MS, Grutter A, Furtado M, Leprieur F, Pellissier L, Mazzei R, Narvaez P, Sasal P, Soares MC, Parravicini V, Sazima I, Kulbicki M. (2021). Patterns of taxonomic and functional diversity of cleaner reef fish fauna. *Journal of Biogeography* 48(10): 2469-2485.
  30. Mazzei EF, Pinheiro HT, Simon T, Moura RL, Macieira RM, Pimentel CR, Batista JT, Floeter SR, Ferreira CEL, Ghisolfi RD, Francini-Filho RB, **Quimbayo JP**, Rocha LA, Gasparini JL, Joyeux JC. (2021). Mechanisms of dispersal and establishment drive a stepping stone community assembly on seamounts and oceanic islands. *Marine Biology* 168: 109.
  29. Lima LS, Gherardi DFM, Pezzi LP, Passos LG, Endo CAK, **Quimbayo JP**. (2021). Potential changes in the connectivity of marine protected areas driven by extreme ocean warming. *Scientific reports* 11: 10339.
  28. Gaspar T, **Quimbayo JP**, Ozekoski R, Nunes LT, Aued A, Mendes TC, Garrido A, Segal RB. (2021). Severe coral bleaching of *Siderastrea stellata* at the only atoll in the South Atlantic driven by sequential marine heatwaves. *Biota Neotropica* 21(2): e20201131.
  27. **Quimbayo JP**<sup>+</sup>, <sup>\*\*</sup>Silva FC, Mendes TC, <sup>\*\*</sup>Ferrari DS, Danielski S, Bender MG, Parravicini V, Kulbicki M, Floeter SR. (2021). Life-history traits, geographical range, and conservation aspects of reef fishes from the Atlantic and Eastern Pacific. *Ecology* e03298.
  26. Cordeiro CAMM, **Quimbayo JP**, Nunes JACC, Nunes LT, Sissini M, Sampaio CLS, Morais RA, Horta PH, Aued AW, Carraro JL, Hajdu E, Rocha LA, Segal B, Floeter SR. (2021). Conservation status of the southernmost reef of the Amazon Reef System: the Parcel do Manuel Luis. *Coral Reefs* 40: 165-185.
  25. Dias MS, Fernandes de Faria I, Guarido PCP, Teresa FB, Uchoa de Aquino, PP, **Quimbayo JP**.<sup>+</sup> (2020). Direct introductions by humans explain guppy occurrence in Brazil. *Journal of Fish Biology* 96(4): 877-885.
  24. Giglio VJ, Suhett AC, Zapelini C, Ramiro AS, **Quimbayo JP**.<sup>+</sup> (2020). Assessing capture of recreational spearfishing in the largest reef complex of South Atlantic through social media posts. *Regional Studies in Marine Science* 34: 100995.
  23. **Quimbayo JP**<sup>+</sup>, Giglio VJ, Ferreira CEL, Fraga A, Nunes JACC, Mendes TC. (2019). Contrasting feeding and agonistic behaviour of two blenny species on a small and remote island, Equatorial Atlantic. *Journal of Fish Biology* 96(1):74-82.
  22. Inagaki KY<sup>\*\*</sup>, Mendes TC, **Quimbayo JP**, Cantor M, Sazima I. (2019). The structure of fish follower-feeding associations at three oceanic islands in southwestern Atlantic. *Environmental Biology of fishes* 103(1):1-11.
  21. **Quimbayo JP**<sup>+</sup>, Dias MS, Kulbicki M, Mendes TC, Lamb RW, Johnson AF, Aburto-Oropeza O, Alvarado JJ, Bocos AA, Ferreira CEL, Garcia E, Luiz OJ, Mascareñas-Osorio I, Pinheiro HT, Rodriguez-Zaragoza F, Sala E, Zapata FA, Floeter SR. (2019). Determinants of Fish Assemblages in Tropical Oceanic Islands. *Ecography* 42(1): 77-87.
  20. Nunes JACC, Blumstein DT, Giglio VJ, Barros F, **Quimbayo JP**.<sup>+</sup> (2019). Reef fish antipredator behavior in remote islands does not reflect patterns seen in coastal areas. *Ethology Ecology & Evolution* 31(6): 557-567.
  19. Mendes TC, **Quimbayo JP**, Bouth H, Silva L, Ferreira CEL. (2019). The omnivorous triggerfish *Melichthys niger* (Bloch, 1786) is a functional herbivore on an isolated Atlantic oceanic island. *Journal of Fish Biology* 95(3): 812-819.

18. Garcia E, Rice, CA, Eernisse DJ, Forgren KL, **Quimbayo JP**, Rouse GW. (2019). Systematic relationships of sympatric pipefishes (*Syngnathus* spp.): A mismatch between morphological and molecular variation. *Journal of Fish Biology* 95(4): 999-1012.
17. **Quimbayo JP**<sup>+</sup>, Cantor M, Dias MS, Grutter AS, Gingins S, Becker JHA, Floeter S.R. (2018). The Global Structure of Marine Cleaning Mutualism Networks. *Global Ecology and Biogeography* 27(10): 1230-1250.
16. Giglio VJ, Pinheiro HT, Bender MG, Bonaldo RM, Costa-Lotufo L, Ferreira CEL, Floeter SR, Freire AS, Gasparini JL, Joyeux JC, Krajewski JP, Lidner A, Longo GO, Lotufo T, Loyola R, Luiz OJ, Macieira RM, Magris RA, Mello TJ, **Quimbayo JP**, Rocha LA, Segal BR, Teixeira JB, Vila-Nova DA, Vilar CC, Zilberberg C, Francini-Filho RB. (2018). Large and remote marine protected areas in the South Atlantic Ocean are flawed and raise concerns: Comments on Soares and Lucas (2018). *Marine Policy* 96: 13-17.
15. Maia HA, Morais RA, **Quimbayo JP**<sup>\*</sup>, Dias SM, Sampaio CLS, Horta PA, Ferreira CEL, Floeter SR. (2018). Spatial patterns and drivers of fish and benthic reef communities at São Tomé Island (Tropical Eastern Atlantic). *Marine Ecology* 36(6): e12520.
14. Aued AW, Smith F, **Quimbayo JP**, Cândido DV, Longo GO, Ferreira CEL, Witman JD, Floeter SR, Segal B. (2018) Large-scale patterns of benthic communities of shallow reef habitats along the Southwestern Atlantic. *PlosOne* 13(6): e0198452.
13. **Quimbayo JP**<sup>+</sup> and Zapata FA. (2018). Cleaning interactions by gobies on a Tropical Eastern Pacific coral reef. *Journal of Fish Biology* 92(4): 1110-1125.
12. Pinheiro HT, Rocha LA, Macieira RM, Carvalho-Filho A, Anderson AB, Bender MG, Di Dário F, Ferreira CEL, Figueiredo J, Francini-Filho R, Gasparini JL, Joyeux JC, Luiz OJ, Mincarone M, Moura RL, Nunes JACC, **Quimbayo JP**, Rosa R, Sampaio CLS, Sazima I, Simon T, Vila-Nova D, Floeter SR. (2018). Southwestern Atlantic reef fishes: zoogeographic patterns and ecological drivers reveal a secondary biodiversity center in the Atlantic Ocean. *Diversity and Distributions* 24: 951-965.
11. **Quimbayo JP**<sup>+</sup>, <sup>\*\*</sup>Schlickmann ORC, Floeter SR, Sazima I. (2018). Cleaning interactions at the southern limit of tropical reef fishes in the West Atlantic. *Environmental Biology of Fishes* 93(4) 1110-1125.
10. Siqueira AC<sup>\*\*</sup>, **Quimbayo JP**<sup>+</sup>, Cantor M, Silveira RB, Daura-Jorge FD. (2017). Estimating population parameters of longsnout seahorses (*Hippocampus reidi*, Teleostei: Syngnathidae) through mark-recapture. *Neotropical Ichthyology*. 15 (4) e170067.
9. **Quimbayo JP**<sup>+</sup>, Mendes TC, Kulbicki M, Floeter SR, Zapata FA. (2017). Unusual reef fish biomass and functional richness in a remote island in the Tropical Eastern Pacific. *Environmental Biology of Fishes* 100: 149-162.
8. **Quimbayo JP**<sup>+</sup>, Nunes LT, Ozekoski R, Floeter SR, Morais RA, Fontoura L, Bonaldo RM, Ferreira CEL, Sazima I. (2017). Cleaning interactions at the only Atoll in the South Atlantic. *Environmental Biology of Fishes* 100: 865-875.
7. Sampaio CLS, Loiola M, Colman L, **Quimbayo JP**, Miranda R, Reis-Filho A, Nunes JCC. (2017). Cryptobenthic fish as clients of French angelfish *Pomacanthus paru* (Pomacanthidae) during cleaning behavior. *Marine Biodiversity Records* 10:8.
6. Morais RA, Brown J, Bedard S, Ferreira CEL, Floeter SR, **Quimbayo JP**, Rocha LA, Sazima I. (2017). Mob rulers and part-time cleaners: two reef fish associations at the isolated Ascension Island. *Journal of the Marine Biological Association of the United Kingdom* 94(4): 799-811.
5. **Quimbayo JP**<sup>+</sup>, Dias MS, Schlickmann ORC, Mendes TC. (2017). Fish cleaning interactions on a remote island in the Tropical Eastern Pacific. *Marine Biodiversity* 43: 603-608.
4. Anderson AB, Carvalho-Filho A, Morais RA, Nunes LT, **Quimbayo JP**, Floeter SR. (2015). Brazilian tropical fishes in their southern limit of distribution: checklist of Santa Catarina's rocky reef ichthyofauna, remarks and new records. *Check List* 11(4): 1688.
3. **Quimbayo JP**<sup>+</sup>, Zapata FA, Floeter SR, Bessudo S, Sazima I. (2014). Reef fish foraging associations at Malpelo Island, Colombia (Tropical Eastern Pacific). *Boletín de Investigaciones Marinas y Costeras* 43: 183–193.
2. **Quimbayo JP**<sup>+</sup>, Floeter SR, Noguchi R, Rangel CA, Gasparini JL, Sampaio CLS, Ferreira CEL, Rocha LA. (2012) Cleaning mutualism in Santa Luzia (Cape Verde Archipelago) and São Tomé Islands, Tropical Eastern Atlantic. *Marine Biodiversity Records* 5: e118.

1. **Quimbayo JP<sup>+</sup>\***, Zapata FA, Floeter SR, Bessudo S, Sazima I. (2010) First record of cleaning by a triplefin blenny in the Tropical Pacific. *Coral Reefs* 29:909.

#### Book Chapters

8. **Quimbayo JP<sup>+</sup>\***, Sampaio CLS, Ferreira CEL, Macieira RM (2023). Syngnathidae. In: Brazilian Reef Fishes. Floeter SR, Krajewski JP, Fiuza TMJ, Rocha LA, Carvalho-Filho A (Eds). Pages 99-103.
7. Magris RA, Ferreira HM, **Quimbayo JP**, Godoy L. (2023). Chapter 13. Conservation and Management of Reef Ecosystems. In: Brazilian Coral Reefs. Kikuchi R., Lotufo T., Araújo B (Eds). *Accepted*.
6. Reyes-Bonilla H. Alvarado JJ, Smith F, Cortés J, Zapata FA, Rivera F, Ayala-Bocos A, Friedlander A, **Quimbayo JP**, Olivier D, Martínez P, Millán AM, Araya T, Arriaga A, Olán M, Pérez-Matus A, Wieters E. (2021). Chapter 10. Status and trends of coral reefs of the Eastern Tropical Pacific. In Status of Coral Reefs of the World: 2020. Souter D, Planes S, Wicquart J, Logan M, Obura D, Staub F (Eds). Pages 3-11.
5. Ferreira CEL, Hachich NF, Pinheiro HT, **Quimbayo JP**, Luiz OJ, Mendes TC. Ilhas Oceânicas: Biogeografia, Evolução e Conservação. In: Biologia Marinha (2021). Crespo R. and Gomez A. (Eds). Ed. Interciência. ISBN 978-65-990252-5-9.
4. Hachich NF, Ferrari DS, **Quimbayo JP**, Pinheiro HT, Floeter SR. Chapter 3.9. (2020). Island Biogeography of Marine Shallow-Water Organisms In: Worlds Biomes. In: *Islands and Atolls* (Ed. Mike Goldstein, DellaSala DA), *Encyclopedia of the World's Biomes, Reference Module in Earth Systems and Environmental Sciences*. Elsevier. Pages 61-75. <https://doi.org/10.1016/B978-0-12-409548-9.11947-5>.
3. **Quimbayo JP<sup>+</sup>\***, Mendes TC, Cordeiro CAM, Longo GO, Giglio VJ, Vergara DC, Floeter SR, Vilaça R, Freire AS, Francini-Filho RB, Ferreira CEL. (2018). Chapter 8. Variação Temporal das comunidades recifais no Arquipélago de São Pedro e São Paulo: Ações do projeto de Monitoramento de longa duração (PELD). In: O Arquipélago de São Pedro e São Paulo: 20 anos de estação científica. Links J. (Ed). 2ra (ed). ISBN 978-85-93906-01-5. pp 111-127.
2. Cantor M, Longo GO, Fontoura L, **Quimbayo JP**, Floeter SR, Bender MG. (2018). Chapter 11. Interaction networks in tropical reefs. In: Dáttilo, W. and Rico-Gray, V. (Eds.) Ecological Networks in the Tropics: An Integrative Overview of Species Interactions from Some of the Most Species-Rich Habitats on Earth. ISBN: 978-3-319-68227-3. Springer Publisher. [https://doi.org/10.1007/978-3-319-68228-0\\_10](https://doi.org/10.1007/978-3-319-68228-0_10).
1. Anderson AB, **Quimbayo JP**, Morais RA. (2013). Peixes recifais: Essenciais para a manutenção da vida nos ecossistemas marinhos. In: *Biodiversidade da Costa Esmeralda – Um patrimônio Natural*. 1ra. (ed) pp 93-105. Florianópolis, Brazil.

#### Data packages

11. **Quimbayo JP<sup>+</sup>\***, Dubuc A, Alvarado JJ, Araya-Arce T, \*\*Arriaga A, Ayala-Bocos A, Casas-Maldonado JJ, Chasqui L, Cortes J, Cupul-Magaña A, Olán-González M, González-Leiva A, Reyes-Bonilla H, Smith F, Rivera F, Rodríguez-Zaragoza FA, Rodríguez-Villalobos JC, Segovia J, Zapata FA, Bejarano S. (2023). Patterns of reef fish taxonomic and functional diversity in the Eastern Tropical Pacific. Dryad. <https://doi.org/10.5061/dryad.41ns1rnhn>
10. **Quimbayo JP<sup>+</sup>\***, Nunes LT, \*\*Silva FC, Anderson AB, Barneche DR, Cartele AM, Cord I, Dalben A, \*\*Ferrari DS, Fontoura L, Fiuza TM, Longo GO, Morais RA, Siqueira AC, Floeter SR. (2023). TimeFISH: Fish assemblages in a 15-year monitoring program. Zenodo. <https://doi.org/10.5281/zenodo.7510293>.
9. **Quimbayo JP<sup>+</sup>\***, \*\*Ferrari DS, Leprieur F, Floeter SR. (2023). A trait-based approach to marine island biogeography. Zenodo. <https://doi.org/10.5281/zenodo.7316869>.
8. **Quimbayo JP<sup>+</sup>\***, \*\*Silva FC, \*\*Barreto CR, Pavoni C, Lefcheckn JS, Leite K, Figueiroa A, Correria EC, Flores AVC. (2022). The COVID-19 pandemic alters illegal fishing activities inside and outside a marine protected area (1.0). Zenodo. <https://doi.org/10.5281/zenodo.6391049>
7. **Quimbayo JP<sup>+</sup>\***, \*\*Silva FC, Mendes TC, \*\*Ferrari DS, Danielski S, Bender MG, Parravicini V, Kulbicki M, Floeter SR. (2021). Life-history traits, geographical range, and conservation aspects of reef fishes from the Atlantic and Eastern. Zenodo - <http://doi.org/10.5281/zenodo.4455016>.

6. Dias MS, Fernandes de Faria I, Paes Guarido PC, de Aquino PPU, **Quimbayo JP**.<sup>+</sup> (2019) Historical distribution and current drivers of guppy occurrence in Brazil (Version v1) [Data set]. Ecology of Freshwater Fish. Zenodo - <http://doi.org/10.5281/zenodo.3373693>.
5. **Quimbayo JP**<sup>+</sup>, Dias MS, Kulbicki M, Mendes TC, Lamb RW, Johnson AF, Aburto-Oropeza O, Alvarado JJ, Bocos AA, Ferreira CEL, Garcia E, Luiz OJ, Mascareñas-Osorio I, Pinheiro HT, Rodriguez-Zaragoza F, Salas E, Zapata FA, Floeter SR. (2018). Data from: Determinants of reef fish assemblages in tropical oceanic islands. Zenodo - <http://doi.org/10.5281/zenodo.1299849>
4. **Quimbayo JP**<sup>+</sup>, Cantor M, Dias MS, Grutter AS, Gingins S, Becker JHA, Floeter SR. (2018). Data from: The Global Structure of Marine Cleaning Mutualism Networks. Zenodo - <http://doi.org/10.5281/zenodo.1253028>.
3. **Quimbayo JP**<sup>+</sup> and Zapata FA. (2018). Data from: Cleaning interactions by gobies on a Tropical Eastern Pacific coral reef. Dryad Digital Repository - <https://doi.org/10.5061/dryad.1k3p2ht>.
2. Aued AW, Smith F, **Quimbayo JP**, Cândido DV, Longo GO, Ferreira CEL, Witman JD, Floeter SR, Segal B. (2018) Data from: Large-scale patterns of benthic communities of shallow reef habitats along the Southwestern Atlantic. Dryad Digital Repository - <https://doi.org/10.5061/dryad.f5s90>.
1. Anderson A, Carvalho-Filho A, Morais RA, Nunes LT, **Quimbayo JP**, Floeter SR. (2015). Brazilian tropical fishes in their southern limit of distribution: checklist of Santa Catarina's rocky reef ichthyofauna, remarks and new records. Check List, 11(4), 1–25. <http://doi.org/10.15560/11.4.1688>.

#### In review

8. Dornelas M, Antão LH, Bates AE, ... **Quimbayo JP**, ... Zvuloni A. BioTIME 2.0: expanding and improving a database of biodiversity time series. (April 2024). *Global Ecology and Biogeography*
7. **Quimbayo JP**<sup>+</sup>, Chasqui LV, Rincón-Díaz N, Álzate A, Zapata FA. Human drivers and protection status determine spatial variation of reef fish assemblages in the Eastern Tropical Pacific reefs. (April 2023). *PeerJ*.
6. Bolter JP, <sup>\*\*</sup>Silva FC, **Quimbayo JP**<sup>+</sup>, Floeter SR. Broken expectations: the population decline of a key grouper species within a 30-year-old no-take MPA in the southwestern Atlantic. (March 2024). *Biological Conservation*.
5. Garcia G, Longo GO, **Quimbayo JP**, Ferreira CEL, Floeter SR, Francini-Filho R, Dias MS. Compensatory dynamics within trophic guilds drives the stability of reef fishes in Southwestern Atlantic oceanic islands. (March 2024). *Oikos*
4. Gutierrez L, Polidoro B, Obura D, Cabada-Blanco F, Petterson E, Pearce-Kelly P, Kempainen K, Linardich C, Alvarado JJ, Alvarez-Filip L, Banaszak A, Casado de Maezua P, Crabbe J, Croquer A, Feingold J, Goergen E, Goffredo S, Hoeksema B, Huang D, Kennedy E, Kitahara M, Kruzic P, Miller M, Nunes F, **Quimbayo JP**, Rivera-Sousa A, Rodriguez-Marinez R, Santodomingo N, Sweet M, Vermeij M, Villamizar E, Aeby G, Alliji K, Couce E, Cowburn B, Porter S, Shlesinger T, Bayley D, Wilson B, Nuñez-Lendo CI, Samimi-Namin K. Half of Atlantic reef-building corals at elevated risk of extinction due to climate change and other threats. (January 2024). *PlosOne*
3. <sup>\*\*</sup>Silva FC, **Quimbayo JP**<sup>+</sup>, Dencker TS, Pecuchet L, Floeter SR, Lindegren M. Local turnover but no sign of homogenization in reef fish communities across an ecological transition zone exposed to warming. (September 2023). *Diversity and Distributions*.
2. Nunes R, **Quimbayo JP**, Floeter SR, Bender MG. Caribbean reef fish networks: feeding and agonistic behavior (September 2023). *Environmental Biology of Fishes*.
1. Bender MG, **Quimbayo JP**, Maxwell MF, Leprieur F, Floeter SR. Functional and phylogenetic structures of reef fish communities across scales reveal global assembly rules (May 2023). *Global Ecology and Biogeography*.

#### In prep

13. Nuven DMAS, Dias SM, Rodrigues A, **Quimbayo JP**, Gonçalves-Junior JF. Land use effects on the structure of trophic networks from Neotropical fish. in prep for submission to *Aquatic Ecology* – forthcoming.



12. Soares Y, Camargo N, Tedesco P, **Quimbayo JP**, Dias SM. Fragmentation by dams and elevation drive plasticity in morphological attributes in red-tailed tetras from small Cerrado streams. in prep for submission to *Functional Ecology* – forthcoming.
11. Rodríguez-Villalobos JC, \*\*Arriaga-Madrigal A, Alvarado JJ, Ayala-Bocos A, Bejarano S, Cortés-Nuñez J, Cupul-Magaña A, Keith I, López-Pérez A, Lamb RA, Olán-González M, Reyes-Bonilla H, Rodrigues-Zaragoza F, Valencia-Domínguez O, Segovia J, Smith F, Witman J, **Quimbayo JP**. Temporal and spatial dynamic bleaching coral in coral reefs in the Eastern Tropical Pacific. in prep for submission to *Coral Reefs* – forthcoming.
10. Koivunen AMA, Cunha R, **Quimbayo JP**, Otero-Ferrer F, Freitas R, Mallmann AIM, Faevelot C, Bramanti L, Pinheiro HT. Environmental and geographical drivers of reef fish beta diversity across a depth gradient in an oceanic archipelago of the eastern Atlantic Ocean. in prep for submission to *Ecology* – forthcoming.
9. Garcia GS, Suhett AC, Lessa AA, Fonseca JG, **Quimbayo JP**, Dias MS. Recruitment pulses affect cleaning interactions in a rocky reef of the Southwestern Atlantic. in prep for submission to *Environmental Biology of Fishes* – forthcoming.
8. \*\*Arriaga-Madrigal A, **Quimbayo JP**, Araya-Salas M, Bocos AA, Keith I, Reyes-Bonilla H, Rodrigues-Zaragoza F, Rivera F, Chasqui L, Alvarado JJ. Functional diversity of herbivorous reef fishes in the Eastern Tropical Pacific. in prep for submission to *Marine Ecology Progress Series* – forthcoming.
7. Pinheiro HT, Rocha LA, **Quimbayo JP**<sup>+</sup>. Scales of endemism in the sea: the role of oceanic islands as biodiversity engineers. in prep for submission to *Journal of Biogeography* – forthcoming
6. \*\*Silva FC, **Quimbayo JP**<sup>+</sup>, Lindegren M, Floeter SR. Reef fish community structure across an ecological transition zone. in prep for submission to *Marine Ecology* – forthcoming.
5. Luza AL, Bender MB, Ferreira CEL, Floeter SR, Francini-Filho RB, Longo GO, Pinheiro HT, **Quimbayo JP**<sup>+</sup>, Bastazini VAG. Coping with Collapse: Functional Robustness of Coral-Reef Fish Network. in prep for submission to *Global Change Biology* – forthcoming.
4. Sazima I, and **Quimbayo JP**<sup>+</sup>. Mixed marine associations in South-Western Atlantic Fishes: variety and functions. in prep for submission to *Environmental Biology Fishes* – forthcoming.
3. **Quimbayo JP**<sup>+</sup>, Dias MS, Garcia G, Cordeiro CAMM, Mendes TC... Ferreira CEL. Temporal trends of reef fish populations in Atlantic oceanic islands. in prep for submission to *Conservation Biology* – forthcoming.
2. **Quimbayo JP**<sup>+</sup>, Jarzyna M, Bender MG, MacDonald C, Pinheiro HT, Garcia E, Dias MS... Leprieur F. Fish endemism and function originality in tropical oceanic islands. in prep for submission to *Nature Ecology & Evolution* – forthcoming.
1. Luiz OJ, Luza AL, Magris RF, Bahna TNS, Barneche DR, Cordeiro CAMM, Ferreira CEL, Floeter SR, Francini-Filho RB, Giglio VJ, Gonçalves LR, Longo GO, Mendes TC, Pinheiro HT, **Quimbayo JP**...., Bender MG. Diving into 60 years of marine reef science in Brazil: an automated content analysis of the literature for identifying conservation opportunities. in prep for submission to *Biological Reviews* – forthcoming.

## MEDIA COVERAGE

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2022	Estudo analisa projetos de monitoramento dos ecossistemas marinhos e costeiros brasileiros [ <a href="#">Link</a> ].
2022	COVID-19's Impact on Illegal Poaching [ <a href="#">Link</a> ].
2021	Maior banco de dados de peixes recifais do Atlântico e Pacífico Leste de acesso livre [ <a href="#">Link</a> ].
2020	Conhecendo as capturas da pesca sub recreativa no Banco dos Abrolhos [ <a href="#">Link</a> ].
2019	Como os peixes complementam sua alimentação utilizando interações oportunistas [ <a href="#">Link</a> ].
2019	“Peixe bom de garfo” come de tudo e mantém equilíbrio ecológico em ilha oceânica brasileira [ <a href="#">Link</a> ].
2018	Determinants of reef fish assemblages in tropical oceanic islands [ <a href="#">Link</a> ].
2017	Aliança no fundo do mar [ <a href="#">Link</a> ].

## ACADEMIC SERVICE

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### Editorial board (2)

PeerJ -Life & Environmental Sciences - <https://peerj.com/QuimbayoJP/>

Marine Ecology <https://onlinelibrary.wiley.com/page/journal/14390485/homepage/editorialboard.html>

### Referee for peer-reviewed scientific journals (Total: 20 journals, 80 manuscripts)

**Manuscript reviews for:** Cybium, Journal of Marine Science, Marine Ecology, PANAMJAS, Marine Biodiversity Records, Revista de Etologia, Environmental Biology of Fishes, Behavioural Processes, PlosOne, Marine Environmental Research, Frontiers Marine Sciences, Acta Biologica Colombiana, Functional Ecology, Global Ecology and Conservation, Ecography, Evolution, Biology Letters, Nature Communication, Ecology, *PeerJ*.

### Reviewer for funding agencies (5)

**Fellowships evaluator for:** Graduate Women in Science – National Fellowship Program (GWIS); Fundo Brasileiro para a Biodiversidade (FUNBIO – Brazil); Ministerio de Ciencia Tecnologia y Innovación (MinCiencias – Colombia); Marine Conservation Institute 2023 Blue Park Nominees.

**Consultant for IUCN:** Conservation state of Malpelo Island, Tropical Eastern Pacific.

### Academic service committees (1)

**Member of the Pool of Experts:** United Nations to Regular Process for Global Reporting and Assessment of the State Marine Environment, including Socioeconomic Aspects.

## INVITED TALKS

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| 2024 | Biodiversity dynamics across scales. Host. Dr. Mariana G. Bender. <i>Universidade Federal de Santa Maria, Brazil.</i>  |
| 2024 | Biodiversity dynamics in the age of big data: from local to global scale. Host: Dr. Kenneth Feeley. <i>University of Miami, United States</i>                  |
| 2023 | From local to global scale: Enhancing the global visibility of ecology. Host: Dr. Guilherme Corte. <i>University of Virgin Islands, United States</i>          |
| 2023 | Patterns of reef fish taxonomic and functional diversity in the Eastern Tropical Pacific. Host: Dr. Fernando A. Zapata. <i>Universidad del Valle, Colombia</i> |
| 2022 | Biodiversidad multi escalas. Host: Dr. Paola Rodríguez. <i>Centro universitario de la costa Universidad de Guadalajara. México</i>                             |
| 2022 | Biodiversidad en múltiples escalas. Host: Dr. Fabian Rodríguez-Zaragoza. <i>Universidad de Guadalajara, México.</i>  |
| 2022 | Biogeografía de islas oceánicas: Patrones y Procesos. Host: Dr. Arón Rodríguez Contreras. <i>Departamento de Botánica, Universidad de Guadalajara, México.</i> |
| 2021 | Padrões temporais em ilhas oceánicas. Host: Dr. Cesar Cordeiro. <i>Encontro recifal Brasileiro. Brazil</i>   |
| 2019 | Mutualismos marinos. Host: Dr. Augusto Flores. <i>Centro de Biologia Marinha Universidade de São Paulo. Brazil.</i>  |
| 2017 | Macroecologia Marinha: de interações a padres globais de biodiversidade. Host: Dr. Murilo S. Dias. <i>Universidade de Brasilia. Brazil.</i>                    |
| 2012 | O mundo colorido dos peixes recifais. Host: Dr. Carlos A. Rangel. <i>Projeto Ilhas do Rio. Brazil.</i>   |

## CONFERENCE PRESENTATIONS

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| 2023 | 11 <sup>th</sup> Biennial Conference, International Biogeography Society, Prague, Czech Republic. |
| 2022 | Benthic Ecology Meeting, Portsmouth, United States.   |
| 2021 | EReBra Encontro Recifal Brasileiro, Brazil.   |
| 2019 | XVI Semana da Biologia Marinha e do Gerenciamento Costeiro, Brazil.                               |
| 2019 | III Island Biology. Saint-Denis, La Réunion Island, France.                                       |

- 2019 XXI Brazilian Ichthyology Meeting. Belen, Brazil.  
 2018 II Meeting ABECO and V Symposium of Theory Ecologic. Campinas, Brazil  
 2018 I Brazilian Congress of Marine Biology and Coastal environments. Niterói, Brazil.  
 2017 XX Brazilian Ichthyology Meeting. Porto Seguro, Brazil.  
 2016 I Meeting ABECO and V Symposium of Theory Ecologic. Gramado, Brazil.  
 2015 XIX Brazilian Ichthyology Meeting. Recife, Brazil.  
 2013 VII Mexican congress and I Pan-American congress of coral reef. Mérida, México.  
 2013 XX Brazilian Ichthyology Meeting. Maringa, Brazil.  
 2011 III Brazilian Congress of Marine Biology. Natal, Brazil.  
 2011 XV Latin-American Congress of Marine Sciences – COLACMAR. Camboriu, Brazil.  
 2009 XIII Latin-American Congress of Marine Sciences – COLACMAR. Havana, Cuba.  
 2008 XIII National seminar of sciences and technology. San Andres, Colombia.  
 2006 VII Congress of Zoology. Santa Marta, Colombia

### **SCIENTIFIC MEETINGS/WORKSHOPS**

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- 2023 II Workshop for the Global Coral Reef Monitoring Network Eastern, *Universidad del Valle*, Cali, Colombia.  
 2022 Workshop on the scoping of the next assessment(s) of the United Nations regular process for the South Atlantic (between the African and American coast) and the wider Caribbean area. Buenos Aires, Argentina  
 2022 Workshop of fish community dynamics and diversity. *Technical University of Denmark*. Copenhagen, Denmark.  
 2020 Workshop Temporal Series of Marine Ecosystems, Universidade Federal Fluminense. Arraial do Cabo, RJ, Brazil.  
 2019 Workshop for the Global Coral Reef Monitoring Network Eastern Pacific. Galápagos foundation, Galápagos, Ecuador.  
 2019 Workshop Theory Ecology, Universidade Federal de Santa Maria, Santa Maria, RS, Brazil.  
 2018 Workshop of Marine Biodiversity: from the Sea to the Cloud. Fundação de Amparo a Pesquisa do Estado de São Paulo (FAPESP). São Sebastião, SP, Brazil.

### **PROFESSIONAL DEVELOPMENT**

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- 2024 Rebreather Diver Course.  
 2022 PADI Emergency Oxygen Provider (PADI No. 22070R4477). Dive course.  
 2022 PADI Primary & Secondary Care CPR/First Aid Adult (PADI No. 22070O3400). Dive course.  
 2019 Introduction to Hierarchical models course, Universidade Federal de Rio Grande do Sul. El Dorado, RS, Brazil.  
 2014 PADI Dive Master (PADI No. 347054). Dive course.  
 2013 St. Peter and Paul's Archipelago (Arquipélago de São Pedro e São Paulo): scientific expeditions training. Brazilian Navy, Survival course. Natal, Brazil.  
 2012 Ecology, Evolution and Conservation of Reef Fishes, Universidade Federal Fluminense. Arraial do Cabo, Brazil.  
 2011 Field course: Biodiversity of Pantanal. Universidade Federal de Mato Grosso do Sul. Campo Grande, Brazil.  
 2011 IANTD Enriched Air Diver (IANTD Diver No. 135667). Dive course.  
 2010 Multivariate analyses course. (40 hours). Universidade Federal de Santa Catarina. Florianópolis, Brazil.  
 2019 Statistic packages course. (30 hours). Universidad del Valle. Cali, Colombia.  
 2008 Macroecology. (30 hours). Universidad del Valle. Cali, Colombia.  
 2008 FEDECAS Advanced Open Water Diver (COLFOOP2E0605-1130630844). Dive course.  
 2008 PADI Open Water Diver. (PADI No. 0807090274). Dive course.

## RESEARCH COLLABORATIONS

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- 2021-2026 Project: Biodiversity, biogeography, and conservation of mesophotic ecosystem in the Atlantic Ocean. Coordinator: Dr. Hudson T. Pinheiro. FAPESP (2019/24215-2). **R\$ 3.000.000,00**. Activity: Fieldwork, Scientific production, and Database Management.
- 2020-2024 Project: Mission Atlantic – Towards the Sustainable Development of the Atlantic Ocean. Coordinator: Dr. Patrizio Mariani. HORIZON 2020 (BG08-2019-2). **€11.5 Million**. Activity: Database Management WP2
- 2019-2023 Project: Brazilian reef systems in the Anthropocene: estimating the impacts of biodiversity loss on marine ecosystem functioning and services to improve future management and livelihood. Coordinator: Dr. Mariana G. Bender. CNPq/MCTIC (17/2019). **R\$300.000**. Activity: Scientific production.
- 2019-2021 Project: Functional ecology of seagrasses and canopy-forming algae: trophic subsidies to demersal consumers. Coordinator: Dr. Augusto A. V. Flores. FAPESP (2018/11044-2). **R\$ 184.485,35**. Activity: Scientific production.
- 2019-2021 Project: Global Coral Reef Monitoring Network in the Eastern Pacific. Activity: Database Management and Research.
- 2016-2023 Project: “Programa de Pesquisa Ecológica de Longa Duração – PELD” – CNPq, Brazilian Council of Science and Technology. Staff – Coordinator: Dr. Carlos E. L. Ferreira CNPq/CAPES/FAPs/BC-Fundo Newton, Edital 15/2016. – **R\$ 1.200.000**. Activity: Fieldwork, Scientific production, and Database Management
- 2013-2016 Project: “Programa de Pesquisa Ecológica de Longa Duração – PELD” – CNPq, Brazilian Council of Science and Technology. Staff – Coordinator: Dr. Carlos E. L. Ferreira. CNPq Edital 15/2012. – **R\$ 400.000**. Activity: Fieldwork, Scientific production, and Database Management.
- 2013-2016 Project: “Monitoramento Ambiental da Reserva Biológica Marinha do Arvoredo e Entorno – MAArE” Fundação de Amparo à Pesquisa e Extensão Universitaria – FAPEU. Staff – Coordinator: Prof. PhD. Barbara Segal Ramos. FAPEU 2400.0079043.12.2. – **R\$ 5.000.000**. Activity: Fieldwork.
- 2011-2015 Project: “Monitoramento de populações de cavalos marinhos ao longo da costa brasileira” – PETROBRAS Ambiental. Staff – Coordinator: Prof. PhD. Rosana Silveira. **R\$ 800.000**. Activity: Fieldwork, Scientific production, and Database Management.
- 2011-2014 Project: SISBIOTA-Mar: Brazilian National Research Network on Marine Biodiversity. Conselho Nacional de Desenvolvimento Científico e Tecnológico – CNPq. Staff – Coordinator: Prof. PhD. Sergio R. Floeter. CNPq Edital 6308/2011-8 FAPESC. **R\$1.000.000**. Activity: Fieldwork, Logistic Manager and Database Management.

## SPOKEN LANGUAGES

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*Spanish* – mother tongue;

*Portuguese* – fluent speaking, reading and writing;

*French* – fluent speaking and reading;

*English* – fluent speaking, reading and writing;

## Computer languages

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*R* – Fluent reading and writing;

*Qgis* – Fluent reading and writing;

MATLAB, Phyton, Bash Shell, C++ – Beginner

## IMPORTANT LINKS

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ResearchID: <http://www-researcherid-com.ez67.periodicos.capes.gov.br/rid/O-9566-2015>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=36158447200>

Google Scholar: <https://scholar.google.com.br/citations?user=Sdafn78AAAAJ&hl=en&authuser=1>

ORCID: <https://orcid.org/0000-0001-5346-3488>

Research Gate: [https://www.researchgate.net/profile/Juan\\_Pablo\\_Quimbayo](https://www.researchgate.net/profile/Juan_Pablo_Quimbayo)

GitHub: <https://github.com/quimbayo-jp>

## **FIELDWORK EXPERIENCE**

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Over the course of 14 years, I have been on more than 200 scientific expeditions across Brazil, Cabo Verde, Colombia, Costa Rica, Mexico, and the United States. During these trips, I used SCUBA and free diving techniques to study fish communities, including estimating their species richness, abundance, and body size. I also worked with benthic communities, using photo quadrats and visual identification to sample them. In addition, I collected various specimens for measurement, including gut content analyses, otolith ring counts, genetic material, and coral species. Finally, I received training from the Brazilian Navy on how to handle stressful and starvation situations at sea, such as spending an entire day adrift without food or water under the sun.