

SHORT CURRICULUM VITAE

Renato MORAIS Araujo

PhD Candidate, MSc. Ecology, BSc. Biology

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EDUCATION

- 2016-2020 PhD candidate in Marine Biology, James Cook University, Australia
- 2012-2014 Master's degree in Ecology, Universidade Federal de Santa Catarina, Brazil.
- 2007-2011 Bachelor degree in Biological Sciences, Universidade Federal de Santa Catarina, Brazil.

PROFESSIONAL EXPERIENCE

- 2014-2016 Logistic manager for the Brazilian Marine Biodiversity Network. *Activities:* Organizing and participating fieldwork expeditions to remote oceanic islands, obtaining relevant permits, arranging funds, writing reports.

PROFILE

My research interests have transited through individual, community and ecosystem ecology of aquatic ecosystems, both marine and freshwater. As a conclusion work to my undergrad course I investigated the interplay between habitat and dispersal limitation in shaping clearwater river fish assemblages in Central Brazil. During my master's I studied human and environmental drivers of reef fish biomass spatial heterogeneity in the Brazilian Biogeographic Province reefs. For my PhD I intend to better understand the trophic pathways that lead from reef production to fish biomass build-up, with a particular focus on fish growth.



SCIENTIFIC PUBLICATIONS (Peer reviewed)

Published

Morais RA, Brown J, Bedard S, Ferreira CEL, Floeter SR, Quimbayo JP, Rocha LA, Sazima I. 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* (doi: 10.1017/S0025315416001041).

Longo GO, **Morais RA**, Mendes TC, Aued AW *et al.* 2015. Between-habitat variation of benthic cover, reef fish assemblage and feeding pressure at the only atoll in South Atlantic: Rocas Atoll, NE Brazil. *PLoS ONE* (doi: 10.1371/journal.pone.0127176)

Anderson AB, Carvalho-Filho A, **Morais RA**, Nunes LT, Quimbayo JPA, 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* (doi:10.15560/11.4.1688)

Bernal MA, Floeter SR, Gaither MR, Longo GO, **Morais RA**, Ferreira CEL, Vermeij MJA, Rocha LA. 2015. High prevalence of dermal parasites among coral reef fishes of Curaçao. *Marine Biodiversity* (doi: 10.1007/s12526-015-0322-z)

Morais RA, Santos RG, Longo GO, Yoshida ETE, Stahelin GD, Horta PA. 2014. Direct evidences for gradual ontogenetic dietary shift in the green turtle, *Chelonia mydas*. *Chelonian Conservation and Biology* (doi: 10.1007/s12526-015-0322-z)

Morais RA, Longo GO, Santos RA, Yoshida ETE, Stahelin GD, Horta PA. 2012. Cephalopod ingestion by juvenile green sea turtles (*Chelonia mydas*): predatory or scavenging behavior? *Herpetological Review* 43: 47-51.

In review

Nunes LT, **Morais RA**, Longo GO, Sabino J, Floeter SR. Among-habitat variation in fish feeding and agonistic interactions in a tropical clearwater river. *Submitted to Freshwater Biology*.

In preparation

Morais RA, Oliveira-Santos LGR, Barneche DR, Luiz OJ, Ferreira CEL, Floeter SR. Spatial patterns in reef fish standing biomass along Brazilian reefs, Southwestern Atlantic. *To be submitted to Marine Ecology Progress Series*.

Morais RA, Teresa FB, Ferreira CEL, Floeter SR. Evaluating the ecological convergence hypothesis at the community level using freshwater and reef fishes as models. *To be submitted to Proceedings of the Royal Society B*.

Maia HA, **Morais RA**, Quimbayo JP, Ferreira CEL, Floeter SR. Influence of benthic communities over reef fish assemblages of a poorly known marine hotspot: São Tomé Island, Gulf of Guinea. *To be submitted to Marine Biology*.

Quimbayo JP, Nunes LT1, Osekoski R, Floeter SR, **Morais RA**, Fontoura L, Bonaldo RM, Ferreira CEL, Sazima I. Cleaning interactions at the only Atoll in the South Atlantic. *To be submitted to Marine Biodiversity*.

Fontoura L, Bonaldo RM, Cantor M, Longo GO, **Morais RA**, Floeter SR. The macroecology of agonistic interactions in reef fishes. *To be submitted to Ecography*.

Faria-Junior E, Alves ME, **Morais RA**, Oliveira-Santos LGR, Lindner A. Regional and local physical factors structuring the anthozoan community in a tropical-temperate transitional rocky reef region. *To be submitted to Marine Ecology Progress Series*.

PEER REVIEWER FOR

PeerJ, *Journal of the Marine Biological Association of the United Kingdom*, *Brazilian Journal of Oceanography*

FIELDWORK EXPERIENCE

Since 2010 I have participated or led 19 field expeditions summing around 375 fieldwork days (Figure beneath). This included diving expeditions to both accessible and remote, tropical and subtropical reefs, as well as clearwater rivers. Remote localities such as Ilha da Trindade, Atol das Rocas, Parcel do Manuel Luís and Arquipélago de São Pedro e São Paulo involved long boat trips (up to 4 days one way) and included working with very limited structure for large time periods. During field trips I performed activities such as underwater visual surveys of fish, benthic photoquadrats and point-intercept characterization of the substrate, remote filming and focal animal observations of fish behaviour and spearfishing for diet and stable isotope analyses and otolith sampling.

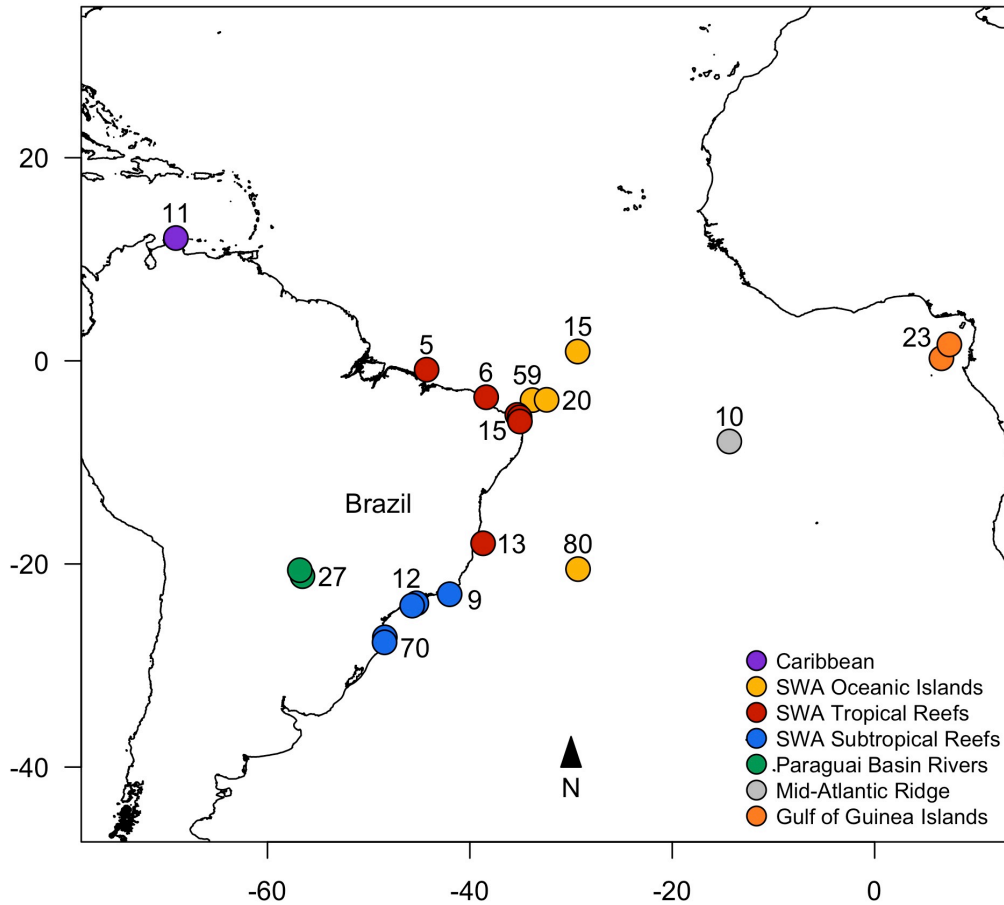


Figure: Map of the Atlantic Ocean indicating my fieldwork experience using diving techniques. Numbers next to the points indicate approximate number of fieldwork days.

OTHER RELEVANT INFORMATION

- *Diving qualifications:* PADI OWD, Advanced, Emergency First Response, Oxygen Provider and Rescue Diver
- *Scientific diving experience:* 400 hours of SCUBA + 400 hours of snorkeling/free diving
- *Boating qualifications:* QLD Recreational Boat License, IYT Small Powerboat & Rib Master
- *Languages:* Portuguese (mother tongue), English (fluent reading, speaking and writing), Spanish (advanced reading and speaking, basic writing)
- *Programming:* experience with R coding especially data manipulation and analysis of univariate and multivariate data as well as linear modeling (GLM, LMMs and SEM)