

SHORT CURRICULUM VITAE



Débora S. Ferrari
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EDUCATION

2020 – present PhD in Ecology, Universidade Federal de Santa Catarina, Brazil.

2018 – 2020 Master degree in Ecology, Universidade Federal de Santa Catarina, Brazil.

2011 – 2016 Undergraduate in Biological Sciences, Universidade Federal de Santa Catarina, Brazil.

PROFILE

During my scientific career, I have gained experience working on various marine ecological sampling methods, database management, and ecological statistics. Currently, I am pursuing a Ph.D. thesis on the ecology and conservation of reef environments in the South Mid Atlantic Islands (St. Peter and St. Paul Rocks, St. Helena, and Ascension), specifically conducting an ecological risk assessment of these oceanic islands, as part of the Mission Atlantic Project (missionatlantic.eu). During my Master's degree, I conducted research on how habitat area, isolation, and island age influence the distribution of reef fish functional traits in 72 oceanic islands worldwide. This project provided me a huge knowledge on marine island biogeography. As an undergraduate, I conducted research on trophic interactions between fishes and benthos in Atlantic oceanic islands, which allowed me to gain knowledge and experience in reef fish behavior. My research interests include community assembly, animal behavior, socio-ecological systems and Integrated Ecosystem Assessments (IEAs), with a particular focus on reef system of oceanic islands.



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PUBLICATIONS

FERRARI D.S., Floeter S.R., Leprieur F., Quimbayo J.P. (2023). **A trait-based approach to marine island biogeography.** *Journal of Biogeography*. 50(3): 528-538. DOI: 10.1111/jbi.14549.

Rodrigues A.R., Floeter S., Gomes V., **FERRARI D.S.**, Giglio V.J., Silva F., Liedke A., Ferreira C.E., Howell K., Gasalla M.A. (2023). **Integrated Ecosystem Assessment around islands of the tropical South Mid-Atlantic Ridge.** *Frontiers in Marine Science* 10, 516.

Quimbayo J.P., Nunes L.T., Silva F.C., Anderson A.B., Barneche D.R., Liedke A.M.R., Canterle A.M., Cord I., Dalben A., **FERRARI D.S.**, Fontoura L., Fiuza T.M.J., Longo G.O., Morais R.A., Siqueira A.C., Floeter S.R. (2023). **TimeFISH: Long-term assessment of reef fish assemblages in a transition zone in the Southwestern Atlantic.** *Ecology*. e3966. DOI: 10.1002/ecy.3966.

Quimbayo, J.P.; Silva, F.C.; Mendes, T.C; **FERRARI, D.S.**; Danielski, S.L; Bender, M.G; Parravicini, V.; Kulbicki, M. & Floeter, S.R. 2021. **Life-history traits, geographical range and conservation aspects of reef fishes from the Atlantic and Eastern Pacific.** *Ecology*. e03298. DOI: 10.1002/ecy.3298.

Hachich, N.F.; **FERRARI, D.S.**; Quimbayo, J.P.; Pinheiro, H.T. & Floeter, S.R. 2020. **Island Biogeography of Marine Shallow-Water Organisms.** In: Encyclopedia of the World's Biomes (Editors: Michael I. Goldstein, Dominick A. DellaSala). Elsevier. Pages 61-75. ISBN 9780128160978

MAIN CONGRESS PRESENTATIONS

A trait-based approach to marine island biogeography. **FERRARI D.S.**; Floeter S.R.; Leprieur F.; Quimbayo J.P. Brazilian Reef Meeting, 2021. Online. Oral presentation.

Functional and trophic structure patterns of reef fishes reveal vulnerability at the remote Ascension Island. **FERRARI D.S.**; Ferreira C.E.L; Barneche D.; Quimbayo J.P.; Floeter S.R. Reef Conservation UK, 2020. London, UK. Oral presentation.

Fish feeding pressure over the benthic community in three sites of Fernando de Noronha Archipelago. **FERRARI D.S.**; Morais R; Longo G.O; Floeter S.R. 1^o Research Meeting of Fernando de Noronha, St. Peter and St. Paul and Atol das Rocas, 2015. Fernando de Noronha, Pernambuco, Brazil. Poster presentation

Fish feeding pressure over the benthic community in shallow northeastern Brazilian reefs. **FERRARI D.S.**; Nunes L.T; Fontoura L.; Canterle A.M; Morais R; Longo G.O; Floeter S.R. XXI Brazilian Ichthyology Meeting, 2015. Olinda, Pernambuco, Brazil. Poster presentation.

Benthic reef communities structure on Guarapari islands, southeastern Brazil. **FERRARI D.S.**; Aued A.W; Candido D; Oliveira J.C; Segal B. VI Brazilian Oceanography Congress, 2014. Itajai, Santa Catarina, Brazil. Oral presentation.

TEACHING EXPERIENCE

Lectures Undergraduate Classes:

2021 - Teaching Assistant in Nekton. Oceanography Undergrad Degree at UFSC.

2019 - Teaching Assistant in Vertebrate Zoology. Biological Sciences Undergrad Degree at UFSC.

School classes:

2016 - Teaching Assistant in Biology. High school at Colégio de aplicação UFSC 2015 - Teaching Assistant in Science. Elementary School at EEB Getúlio Vargas.

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MEDIA AND OUTREACH

2017 - Fish feeding interactions on the benthos <https://youtu.be/V5B3WKe-3Ug>

2016 - Among-habitat variation in fish feeding and agonistic interactions in a tropical clearwater river - <https://youtu.be/A-XgLPoJVZA>

2016 - Cleaning behavior - <https://youtu.be/gSl9n3gw8XA>

2016 - Fear effect - <https://youtu.be/t1yRodC8sv8>

2015 - Expedition to Ascension Island - <https://youtu.be/xUzFE1cB0Qs>

2015 - SISBIOTA-Mar: Diving the Brazilian reefs - <https://youtu.be/uHg09jfJVcU>

FIELDWORK EXPERIENCE

Brazil: Trindade Island (Nov 2023), St. Peter and St. Paul Rocks (Sep 2022 and May 2023) Rocas Atoll Biological Reserve - RN (July 2014), Fernando de Noronha - PE (Sep 2015 and Oct 2022), Arvoredo Biological Reserve (Summer 2013 to 2022), Arraial do Cabo - RJ (April 2016 and Mar 2018).

Asia: NoaNoa Island - Philippines (Jan 2017).

Caribbean: San Blás Archipelago and Bocas del Toro – Panamá (Dez 2013)

British Overseas Territories: Saint Helena Island (Jan 2023)

OTHER RELEVANT INFORMATION

- **Languages:**

Portuguese (native language)

English (advanced reading, speaking and writing)

Spanish (intermediate speaking, reading and writing)

- **Diving qualifications:**

Rescue diver - PADI

- **Scientific experience:**

Fieldwork in marine systems with SCUBA and snorkeling/free diving. Experience working on remote sites

Certified by the author on May 2023.