

Short Curriculum Vitae



**Isadora Cord P.
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Biologist, Master of
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EDUCATION

2021 – present Ph.D. student in Ecology at UFSC, Brazil

→ February to August 2023 – Visiting student at James Cook University, Townsville, QLD, Australia

→ June to July 2022 – Mission Atlantic academic mobility at the University of the Azores, Horta, Faial, Portugal

2019 – 2021 Master's degree in Ecology at UFSC, Brazil

2014 – 2018 Bachelor's student in Biological Sciences at UFSC, Brazil.

PROFILE

I was raised on the island of Florianópolis, Brazil, where my passion for marine life began. As an undergrad, I explored several branches of marine science, including benthic taxonomy, mangrove ecology, and ecotoxicology, before joining the Marine Macroecology and Biogeography Lab under Dr. Sergio Floeter. For my bachelor's thesis, I investigated the trophic ecology of a butterflyfish at Rocas Atoll, combining behavioral observations, gut content analysis, and stable isotopes.

For my Master's, I applied a multi-taxa approach to delineate Sub-Provinces along the Brazilian coast and assess how biogeographic barriers shape reef biodiversity. During this time, I joined my first PELD-ILOC (Long Term Ecological Research on the Brazilian Oceanic Islands) expedition to Rocas Atoll. I later joined another PELD expedition, spending nearly two months on Trindade Island. These experiences strengthened my fieldwork skills and deepened my experience working in remote oceanic environments.

My Ph.D. focuses on macroecological patterns and the evolutionary history of Atlantic reef fishes. As part of this work, I conducted research at the University of the Azores (Portugal), with Dr. Pedro Afonso, assessing the effects of invasive algae on fish assemblages. Later, I joined James Cook University (Australia) to collaborate with Drs. Peter Cowman and Alexandre Siqueira on phylogenetically informed biogeographic classifications under past and future climate scenarios.

I am most interested in marine biogeography and macroecology, specifically how a better understanding of biodiversity patterns and processes can help us protect the oceans through conservation measures.



Figure 1 – From left to right: Sampling benthic organisms in Arraial do Cabo (RJ); Dissecting a fish while acting as class assistant in Vertebrate Zoology; Working with muscle tissue for isotopic analysis; Analyzing reef fish stomach contents.

OTHER RELEVANT INFORMATION

Languages:

Portuguese: native language.

English: C1 level (TOEFL ITP test results, 2022); fluent reading, speaking, and writing.

Spanish: C1 level (UFSC Department of Foreign Languages and Literature test results, 2025); fluent reading, advanced speaking, and writing.

French: B2 level (Duolingo test results, 2025); intermediate reading, speaking, and writing.

Diving qualifications:

PADI Rescue Diver.

Seafarers' formation:

Assistant Ordinary Deck Seaman, per STWC 78/95 Convention.

Working experience:

Laboratorial: dissecting and analyzing the stomach content of reef fishes, fixing stomach samples in formalin, and procedures involved in isotopic analyses.

Fieldwork and Diving: I have experience sampling fish with visual census, benthos with photo quadrats, underwater photography, and using focal animal sampling with both scuba diving and freediving. I was part of 2 expeditions to oceanic islands (Rocas Atoll and Trindade Island), and also did scuba fieldwork in Faial Island, in the Azores archipelago.

Management: During my bachelor studies I was part of a Junior Enterprise focused on conservation, environmental education, and faunal/floral assessments. Being a part of this project for two years gave me experience in teamwork, management, and project development skills.

PUBLICATIONS

PAPERS IN SCIENTIFIC JOURNALS

Cord I, Araujo GS, Silva FC, Kurtz YR, Rocha CR, Pinheiro HT, Rocha LA, Floeter SR. (2025).

Biogeography and evolution of reef fishes on tropical Mid-Atlantic Ridge islands. *Proceedings of the Royal Society B: Biological Sciences*. DOI: 10.1098/rspb.2025.0756

Quimbayo JP, Nunes LT, Silva FC, Anderson AB, Barneche DR, Canterle AM, **Cord I**, et al. (2023). TimeFISH: Long-term assessment of reef fish assemblages in a transition zone in the Southwestern Atlantic. *Ecology*, e3966.

Cord I, Nunes LT, Lindner A, Targino A, Freire AS, Barroso CX, Mantelatto F, Gurgel F, Gadig O, Gomes P, Floeter SR. (2022). Brazilian marine biogeography: A multi-taxa approach for outlining sectorization. *Marine Biology*, v. 169, n. 5, p. 61.

Nunes LT, Siqueira AC, **Cord I**, Ford BM, Liedke AMR, Ferreira CEL, Floeter SR. (2020). The influence of species abundance, diet and phylogenetic affinity on the co-occurrence of butterflyfishes. *Marine Biology*, 167:107-118.

Nunes LT, **Cord I**, Francini-Filho RB, Stampar SN, Pinheiro HT, Rocha LA, Floeter SR, Ferreira CEL. Ecology of *Prognathodes obliquus*, a butterflyfish endemic to mesophotic ecosystems of St. Peter and St. Paul's Archipelago. (2019). *Coral Reefs*, 38:955-960.

Cord I, Nunes LT, Floeter SR. (2023). Habitat driving feeding preferences of a poorly known butterflyfish at the only atoll in the South Atlantic Ocean. *In prep.*

Cord I, Floeter SR. (2023). Biogeography, connectivity, and evolution of the Mid-Atlantic Ridge tropical islands. *In prep.*

BOOK CHAPTERS

Cord I, Silva BS, Valle-Pereira JVS, Picolotto V, Brito GRR. Bicar ou não bicar, eis a questão: a relação entre alimentação e vigilância no forrageamento da batuíra-de-bando. In: Ecologia de Campo: Estudos Ecológicos na Baía da Babitonga, 12 ed, 2021, p. 434 – 447.

Zamoner JB, Gaspar TL, **Cord I**, Vanin AS, Omena MTRN, Pinheiro-Silva L, Macedo-Soares LCP, Freire AS. Camarão que dorme a maré leva: influência das marés e da setorização do estuário na composição da comunidade zooplancônica na Baía Babitonga. In: Ecologia de Campo: Estudos Ecológicos na Baía da Babitonga, 12 ed, 2021, p. 206 – 237.

Gaspar TL, **Cord I**, Zamoner JB, Omena MTRN, Vanin AS, Weidlich EWA, Dechoum M. Estimativa de sequestro de carbono por árvores de manguezal na Baía Babitonga. In: Ecologia de Campo: Estudos Ecológicos na Baía da Babitonga, 12 ed, 2021, p. 345 – 365.

Vanin A, Gaspar TL, **Cord I**, Zamoner JB, Omena MTRN, Silveira TCL, Figueiredo BRS. Padrão de uso de habitat por girinos de *Leptodactylus* sp. sob diferentes estímulos de riscos de predação. In: Ecologia de Campo: Estudos Ecológicos na Baía da Babitonga, 12 ed, 2021, p. 135 – 156.

Cord I, Zamoner JB, Vanin AS, Gaspar TL, Omena MTRN, Hernandez MIM. Riqueza, abundância e biomassa de besouros escarabeíneos em ambientes com diferentes graus de conservação. In: Ecologia de Campo: Estudos Ecológicos na Baía da Babitonga, 12 ed, 2021, p. 291 – 309.

CONGRESS/ WORKSHOP PARTICIPATION

Cord I, Araujo GS, Pinheiro HT, Silva FC, Kurtz YRA, Rocha C, Rocha L, Floeter SR. (2024). Biogeografia, conectividade e evolução das ilhas tropicais da Dorsal Mesoatlântica. Niterói, Rio de

Janeiro, Brazil.

Cord I, Araujo GS, Kurtz YRA, Floeter SR. (2024). Evolução de peixes recifais em ilhas oceânicas tropicais da Dorsal Mesoatlântica. I Congresso Brasileiro de Biologia Evolutiva, Curitiba, Paraná, Brazil.

Cord I. (2024). Trophic ecology of *Chaetodon ocellatus* in Rocas Atoll. III PELD-ILOC Results Workshop.

Cord I, Floeter SR. (2022). Biogeografia, conectividade e Evolução de peixes recifais nas ilhas de Ascensão e Santa Helena, dorsal mesoatlântica. XXIII Encontro Brasileiro de Ictiologia, Gramado, Brazil.

Cord I, Floeter SR. (2022). Biogeography, connectivity and evolution of the Atlantic oceanic islands. 15th international coral reef symposium (ICRS), Bremen, Germany.

Cord I, Nunes LT, Lindner A, Targino A, Freire AS, Barroso CX, Mantelatto F, Gurgel F, Gadig O, Gomes P, Floeter SR. (2022). Biogeografia marinha brasileira: uma abordagem multi-táxon para delinear a setorização de sub-províncias. (Oral presentation). II Encontro Recifal Brasileiro, virtual.

Cord I, Teixeira LN, Floeter SR. (2019). Ecologia Trófica do Peixe-borboleta *Chaetodon ocellatus* no Atol das Rocas, NE, Brasil. (Oral presentation). XXIII Encontro Brasileiro de Ictiologia, Belém do Pará, Brazil.

Xavier MFB, Soares CH, Brauko KM, Baptista, I, Weis WA, **Cord I**. (2017). Evaluation of water quality in rivers on the Santa Catarina Island, Brazil, using benthic organisms. SETAC Brussels, Belgium.

Winter BB, Brauko KM, Pagliosa PR, **Cord I**, Weis WA. (2016). Urbanização e respostas de *Laeonereis culveri* (ANNELIDA:POLYCHAETA). In: XIII Congresso Brasileiro de Zoologia, Cuiabá, BR.

OTHER EVENTS

Volunteer at the All-Atlantic Sampling Day with Horizon 2020 project AtlantECO. 2022.

Volunteer at the Itajaí Port Call for the Tara schooner (Fondation Tara Océan). 2021.

Participant at a round table at the XI Winter Course in Ecology of the Postgraduate Program in Ecology at UFSC, 2024. Round Table on the themes "research projects", "conservation units and research", and "field work".

Participant at the online Symposium on Formation of the benthic fauna of the Trindade and Martin Vaz Archipelago: advances and perspectives. 2024.

OUTREACH, MEDIA PRODUCTIONS, AND AWARDS

Honorable Mention – oral presentation II Encontro Recifal Brasileiro (Brazilian Reef Meet). 2021.

Outreach video created to present Floeter's lab to the general public ([YouTube link](#)). 2020.

Photography contest (XXIII Brazilian Meeting of Ichthyology), category: underwater photography.

First place. 2019.

Workshop offered at the academic week of biology (UFSC): "Identification of Marine Organisms from Santa Catarina". 2018.

TEACHING EXPERIENCE

Lectures in undergraduate classes (years 2019 - 2025):

- Marine Biogeography – "Vertebrates I", in Biological Sciences Undergraduate Degree at UFSC
- Feeding Ecomorphology – "Vertebrates I", in Biological Sciences Undergraduate Degree at UFSC
- Feeding Ecomorphology – "Nekton", in Oceanography Undergraduate Degree at UFSC

Lecturers in postgraduate classes (2023):

- Brazilian Marine Biogeography – "Evolution, Ecology, and Conservation of Reef Fishes" Ecology Program/UFSC.

SUPERVISION / ACADEMIC SERVICE

Co-supervision of an undergrad thesis in Biological Sciences: Feeding interaction of reef fishes in the benthonic substrate in the largest marine biodiversity center on the planet ("*Interação alimentar de peixes recifais no substrato bentônico no maior centro de biodiversidade marinha do planeta*"). 2024. Federal University of Santa Catarina. Student: Lucas Alves Cabral. Main Advisor: Prof. Dr. Sergio Ricardo Floeter.

PEER REVIEWING ACTIVITIES

I acted as a reviewer for the following journals:

Journal of Biogeography; Scientific Reports; Biodiversity and Conservation; Frontiers of Biogeography; Marine Environmental Research; Ecosphere; Oecologia Australis