

SHORT CURRICULUM VITAE



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1. EDUCATION

2011 - 2017 Bachelor in Biological Sciences at Universidade Federal de Santa Catarina, Brazil.

2014 - 2015 Science Without Borders Scholarship at The University of Queensland, Australia.

2017 - present Master's student in Ecology at Universidade Federal de Santa Catarina, Brazil.

2. PROFILE

My passion for fishes started when I was very young. Since I was 10 years old, I have had experience studying and keeping fish in aquaria. As an undergraduate student, this passion led me to an internship first in a local fish store and also in LAPOM (Ornamental Pisciculture Lab - UFSC), in both places I had the experience and learned to keep large aquaria systems. I joined the Marine Macroecology and Biogeography Lab (LBMM) through the "Hippocampus" project in which I studied populations of seahorse (*Hippocampus* spp.) in a few sites at Santa Catarina. As a student in LBMM, I helped set up an aquaria system at LAFIC (Phycology Lab - UFSC) to study herbivory in sea urchins. In 2014, I received the "Science Without Borders" scholarship from CNPq under which I attended the University of Queensland. There I did an internship helping maintain the Sustainable Marine Aquarium under the supervision of Prof. Dr. Lexa Grutter. I also investigated color patterns in reef fishes at the Queensland Brain Institute under the supervision of Prof. Dr. Justin Marshall. In my undergraduate monograph I investigate the evolutionary and biogeographical context of the Mid-Atlantic Ridge islands of Santa Helena and Ascension Islands. In my Master's thesis I have been investigating how allopatry/sympatry influence differences in color patterns of closely related reef fish. To analyze color patterns I am using new packages available on the platform R that provide quantifiable and objective methods. Also, with my supervisor, Prof. Dr. Sergio Floeter, and other colleagues, we are currently developing a visual guidebook of Brazilian reef fishes.

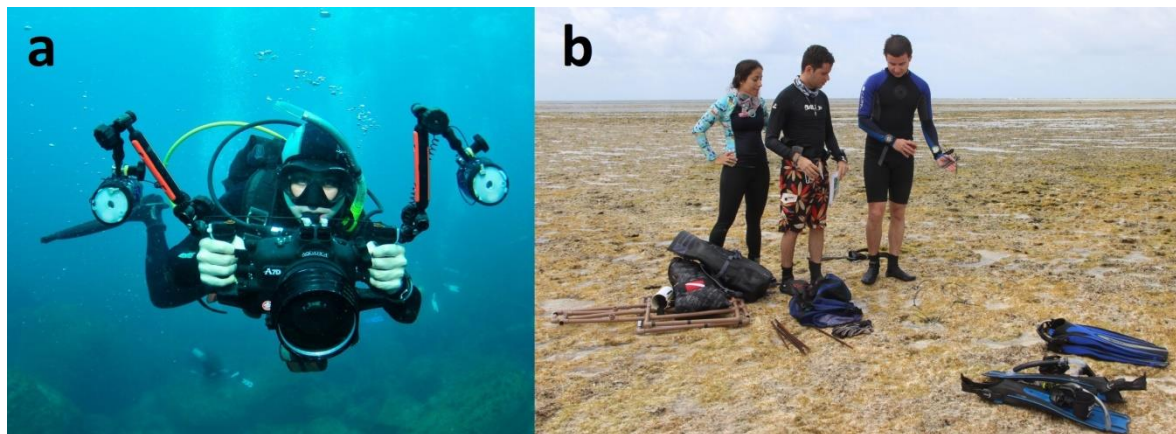


Figure 1 – **a**: Taking fish pictures in Arvoredo Biological Reserve (Reserva Biológica do Arvoredo/ICMBio/MMA), Florianópolis, Santa Catarina – Brazil; **b**: Getting ready for fieldwork at Atol das Rocas Biological Reserve (Reserva Biológica do Atol das Rocas/ICMBio/MMA), Rio Grande do Norte – Brazil.

3. MAIN AIMS

SHORT CURRICULUM VITAE



To understand the biogeographical distribution and evolution of reef fishes and their color patterns.

4. PUBLICATIONS

In preparation

Sazima C, Sazima I, Morais R, **Fiuza TMJ** & Floeter SR. CHAETODONTIDAE: Peixes-borboleta/Butterflyfishes. In: Guia Visual – Peixes Recifais do Brasil. 1ed. Florianópolis.

Ferreira CEL, Barneche DR, **Fiuza TMJ** & Floeter SR. POMACENTRIDAE: Donzelas, Saberês, Sargento/Damselfishes. In: Guia Visual – Peixes Recifais do Brasil. 1ed. Florianópolis.

Luiz OJ, **Fiuza TMJ**, Floeter SR & Sazima I. POMACANTHIDAE: Peixes-anjo/Angelfishes. In: Guia Visual – Peixes Recifais do Brasil. 1ed. Florianópolis.

Fiuza TMJ, Floeter SR & Carvalho-Filho A. MONACANTHIDAE: Peixes-porco, Cangulos/Filefishes. In: Guia Visual – Peixes Recifais do Brasil. 1ed. Florianópolis.

Rangel CA, Macieira RM, **Fiuza TMJ**, Carvalho-Filho A & Floeter SR. BLENNIIDAE: Marias-da-toca, Peixes-macacos, Blênios/Combtooth Blennies. In: Guia Visual – Peixes Recifais do Brasil. 1ed. Florianópolis.

Rocha LA & **Fiuza TMJ**. GRAMMATIDAE: Grama/Fairy Basslet. In: Guia Visual – Peixes Recifais do Brasil. 1ed. Florianópolis.

Floeter SR, Ferrari D, **Fiuza TMJ** & Carvalho-Filho A. BALISTIDAE: Cangulos, Peixe-Porco/Triggerfishes. In: Guia Visual – Peixes Recifais do Brasil. 1ed. Florianópolis.

Sampaio CLS, **Fiuza TMJ** & Carvalho-Filho A. SCIANIDAE: Pescadas, Corvinas, Cangoás/Drums, Croakers. In: Guia Visual – Peixes Recifais do Brasil. 1ed. Florianópolis.

Sampaio CLS, **Fiuza TMJ** & Carvalho-Filho A. OGCOEPHALIDAE: Peixe-morcego/Batfish. In: Guia Visual – Peixes Recifais do Brasil. 1ed. Florianópolis.

Sampaio CLS, **Fiuza TMJ** & Carvalho-Filho A. OGCOEPHALIDAE: Peixe-morcego/Batfish. In: Guia Visual – Peixes Recifais do Brasil. 1ed. Florianópolis.

Fiuza TMJ & Floeter SR. Reappraisal of the Atlantic Ocean Biogeography of Reef Fishes.

5. OTHER RELEVANT INFORMATION

Languages:

Portuguese (native language),

English (fluent reading, speaking and writing),

Spanish (advanced reading, advanced speaking and basic writing);

Diving qualifications: PADI Divemaster #348096, PADI Wreck Diver, PADI Deep Diver, PADI Enriched Air Diver (Nitrox)

SHORT CURRICULUM VITAE



Photography experience: I worked as an underwater photographer in a Diver Operator in Florianópolis, SC. I have experience shooting compact cameras and DSLRs either on land or underwater, and also in photo editing in programs such as Adobe Photoshop and Adobe Photoshop Lightroom.

Seafarers Formation: Assistant Ordinary Deck Seaman, in accordance with STWC 78/95 Convention.

Aquarium keeping: I have experience keeping aquaria since I was about 10 years old. Since then I had kept freshwater and marine systems, learning several details of the chemistry of water, including parameters testing and biology of aquatic organisms kept in aquaria. I did an internship in an aquaculture laboratory (LAPOM – UFSC), where I learned about broodstock management, large systems operations, disease control, larval rearing, live food maintenance and offering. I also worked in an aquarium store maintaining freshwater and marine reef tanks and large displays systems. I also had the opportunity in working at display aquarium at The University of Queensland. This aquarium was part of a project entitled “The Sustainable Marine Aquarium”, with only captive bred species, artificial live rock and sustainable practices that aim to reduce the impact of keeping a reef aquarium.

6. FIELDWORK EXPERIENCE

I have experience working in subtropical and tropical waters either snorkeling or SCUBA diving, including isolated oceanic islands. I am able to perform Underwater Visual Census of reef fishes, identifying species, recording size and abundance. I have experience collecting fish with hand spear. Although not related to my projects, I have had the experience in doing photo quadrats to analyze benthos composition. I also have experience organizing dive operations.

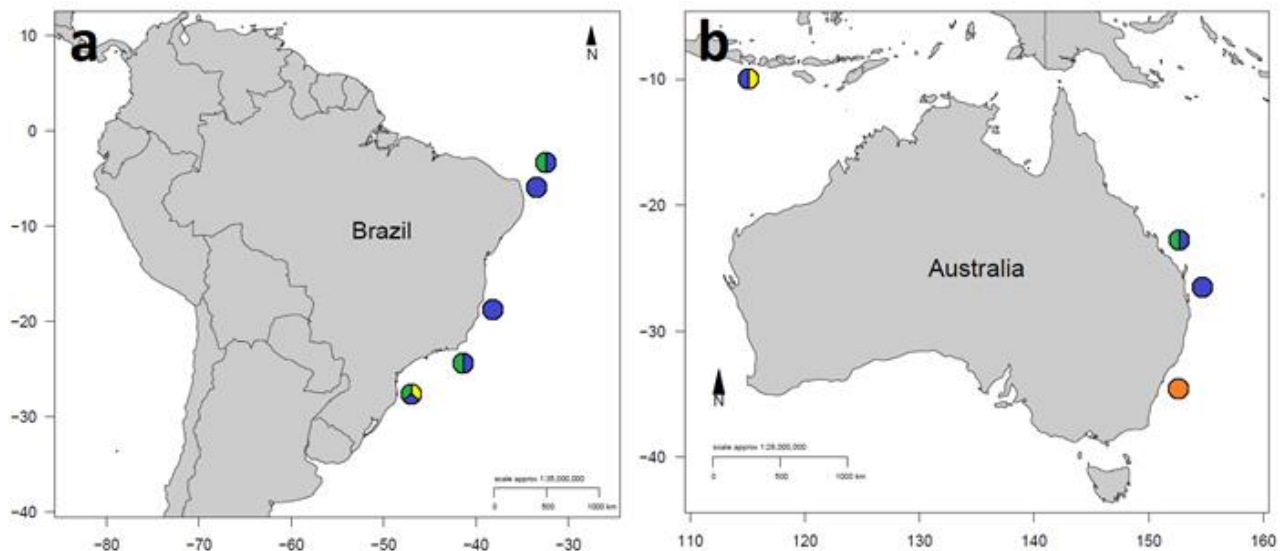


Figure 2 – Places I have been diving in: **a)** the Atlantic Ocean and **b)** the Indo-Pacific Ocean. Colors in circles represent places where I did: Green – Underwater fieldwork; Blue – Underwater photography; Yellow – Organize dive operations; Orange – Snorkeling only.

SHORT CURRICULUM VITAE



6. TEACHING EXPERIENCE

TALKS:

- Global Marine Biogeography – VII Winter Course in Ecology by POSECO/UFSC.
- Marine Visual Ecology – VIII Winter Course in Ecology by POSECO/UFSC.

LECTURES

- Undergraduate Classes:
 - Colors on Reef Fishes – Vertebrates Zoology I in Biological Sciences Undergraduate Degree at Universidade Federal de Santa Catarina.
 - Global Marine Biogeography – Vertebrates Zoology I in Biological Sciences Undergraduate Degree at Universidade Federal de Santa Catarina.
- Postgraduate Class:
 - Colors on Reef Fishes – Evolution, Ecology and Conservation of Reef Fishes – Graduate Course offered by POSECO/UFSC.

WORKSHOP

- Identification of Santa Catarina's Reefal Organisms – XIX Biology Academic Week of Universidade Federal de Santa Catarina.