

SHORT CURRICULUM VITAE



Jaqueline Gonçalves de Toledo

Toledo, J. G.

Master's student

@ jaqueline.g.toledo@gmail.com

 <http://lattes.cnpq.br/6898025587716037>

 www.lbmm.ufsc.br

1. EDUCATION

2023 - present Master's student in Ecology at UFSC, Brazil

2016 - 2022 Bachelor in Biological Sciences at UFSC, Brazil.

2. PROFILE

As an undergraduate student, I had the opportunity to explore a variety research subjects and methods, including participating in a tree inventory project at the Plant Systematics Lab and creating a didactic guide on the taxonomy of Brazilian marine gastropods at the Marine Invertebrate Lab. Since 2019, I've been working in the Marine Macroecology and Biogeography Lab (LBMM/UFSC), where I've acquired experience in several marine ecological sampling methods, such as underwater visual census, remote filming analysis, and sorting epilithic algae matrix. As one of my priorities is the environmental education, I am involved in the lab's outreach project for ocean literacy, and I've also participated of the Long-Term Biodiversity Monitoring Program on Brazilian Oceanic Islands (PELD ILOC) as an content producer and social media manager. In my undergraduate thesis, also related to PELD ILOC research, I investigated the relationship between microhabitat use and ecomorphology of fish communities in rocky and biogenic reefs. Now, as a master's student, I am evaluating the trophic ecology of a reef fish to understand the pelagic and benthic subsidies pathways, under the supervision of Prof. Dr. Sergio Floeter (LBMM/UFSC) and co-orientation of Prof. Dr. Carlos Eduardo Ferreira (LECAR/UFSC) and Dr. Thiago Mendes (LECAR/UFSC). To achieve this goal, I am using additional sampling methods such as focal animal, benthic coverage, gut content analysis, and stable isotopic analysis.

3. SCOLARSHIPS

2016 – 2017. Outreach project: collaborative tree map from Trindade Campus of Universidade Federal de Santa Catarina (LSV/UFSC).

2018. Monitor of "Invertebrate Zoology III" class at UFSC.

2019 – 2020. Scientific initiation in Long-Term Biodiversity Monitoring Program on Brazilian Oceanic Islands (PELD ILOC).

2020 – 2021. Outreach project: Spreading marine biodiversity knowledge through the production of media (LBMM/UFSC).

2021 – 2022. Scientific initiation in Long-Term Biodiversity Monitoring Program on Brazilian Oceanic Islands (PELD ILOC).

2023 – present: Master's scholarship from Foundation for Support of Research and Innovation of Santa Catarina (FAPESC).

4. SCIENTIFIC OUTREACH

1. While monitoring the Invertebrate Zoology class, I created and illustrated a guide for identifying Brazilian marine gastropod taxa based on their shell structures. The guide also includes definitions and infographics of conchology concepts and dynamics (Fig. 1).

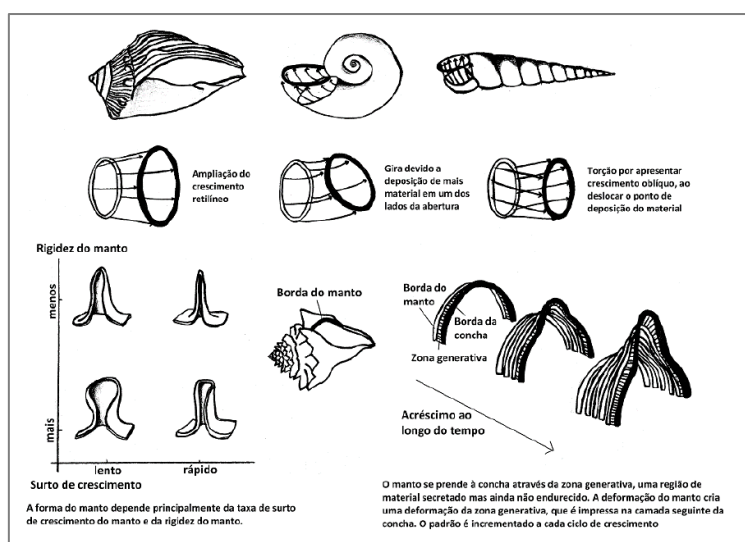


Figure 1 - Example of the schematic illustration of gastropods shells, representing it's dynamics growth.

2. The 'Spreading marine biodiversity knowledge through the production of media' outreach project was created to present the diversity, ecology, and conservation of Brazilian reef fish to the wider community. This involves participating in scientific fairs and educational events (Fig. 2) and creating informative content for social media platforms (@lbmm_ufsc; Fig. 3A). Through these channels, we produce a series of publications on selected marine topics, for which I have developed the graphic design and written some of the copywriting.



Figure 2 - Participation in scientific fairs representing the LBMM, at parks and public spaces (Florianópolis/SC, Brazil).

3. Between 2021 and 2022, I participated in the long-term ecological research project in oceanic islands (PELD ILOC), where I created didactic media content about the island's marine biodiversity (@peld_iloc; Fig. 3B). This involved planning, copywriting and graphic edition of

the post, as well as managing the program’s account. In that year, the profile reached over 27.000 accounts, and received more than 122.000 view for its content.



Figure 3 - Examples of didactic material produced to A) LBMM (@lbmm_ufsc) and B) PELD ILOC (@peld_iloc) social medias.

5. SCIENTIFIC COMMUNICATION

Publication:

Toledo, J.G.; Voelkel, J.; Nunes, L.T.; Floeter, S.R. **Microhabitat use and foraging behavior of reef fishes: contrasting rocky and biogenic reefs.** *To be submitted to Neotropical Ichthyology (in prep.)*

Presentation:

Toledo, JG; Voelkel, J; Nunes, LT & Floeter, SR **Reef fish foraging patterns in rocky and biogenic reef microhabitats.** In: II Encontro Recifal Brasileiro (II EReBra), 2021. Video presentation.

6. OTHER RELEVANT INFORMATION

Languages:

- Portuguese (native language),
- English (advanced reading, intermediate speaking and writing),
- Spanish (intermediate reading, basic speaking and writing).

Diving qualifications:

PADI Advanced Open Water Diver

Fieldwork experience

- Florianópolis/SC: SCUBA underwater visual census, active search technique.
- São Sebastião/SP: Snorkel and SCUBA underwater visual census.
- Arrial do Cabo/RJ: Focal animal sampling, quadrats for benthic coverage, turf collection.