

# Thayara Silveira Carrasco

## Curriculum Vitae

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*I am a biologist working on the ecology of living and extinct mammals. Currently, I am interested in the effects of the Pleistocene megafauna extinction on South American biomes, which I intend to investigate using tools of quantitative paleobiology under the R statistical environment. Continuing my PhD research, this is the theme of my postdoctoral research proposal to be developed at the University of São Paulo (Brazil).*

### Academic Education:

**PhD in Biodiversity of Coastal Environments.** São Paulo State University – UNESP, Brazil.  
Date of defense/graduation: September 12, 2023.

Title: Palaeoecology of Pleistocene Terrestrial and Marine Megafauna in Southern Brazil.

**MSc in Biology of Continental Aquatic Environments.** Federal University of Rio Grande – FURG, Brazil. Year of graduation: 2018.

Title: Isotopic Niche of the Neotropical Otter, *Lontra longicaudis*, in Different Aquatic Systems in Southern Brazil.

**BSc in Biological Sciences.** Federal University of Rio Grande – FURG, Brazil, with a sandwich period at the University of Córdoba – UCO, Spain. Year of graduation: 2015.

Title: Effect of Age on Steroid Hormone Concentrations in *Lontra longicaudis*.

### Professional Experience:

São Paulo State University – UNESP, São Vicente, SP, Brazil

Jun/2019 – Sep/2023: PhD Scholarship. Funder: CAPES.

Aug/2020 – Mar/2021: Demonstrator (Biogeography course; undergraduate-level).

Federal University of Rio Grande – FURG, Rio Grande, RS, Brazil

Nov/2018 – Feb/2019: Research Assistant at the Laboratory of Ecology and Conservation of Marine Megafauna (ECOMEGA), working on a conservation management project focused on the cetacean *Pontoporia blainvillei* (Toninhas Project).

Mar/2016 – Feb/2018: MSc Scholarship. Funder: CAPES.

Apr/2015 – Aug/2015: Demonstrator (Ecosystem Ecology course; undergraduate-level).

Apr/2014 – Sep/2014: Research Assistant working on the project titled "Population Aspects of the Neotropical Otter in the Lower Course of Arroio Grande, Southern Brazil."

Nov/2012 – Dec/2012: Demonstrator (Histology course; undergraduate-level).

Ekko Brazil Institute for Biodiversity Conservation – EKKO BRASIL, Florianópolis, SC, Brazil

May/2013 – May/2013: Volunteer at the Otter Project.

Institute for Sustainable Development Mamirauá – IDSM, Tefé, AM, Brazil

Apr/2018 – Sep/2018: Research Assistant at the Amazonian Aquatic Mammals Research Group (GPMMA - IDSM). Funder: PCI/CNPq.

## Publications:

**Carrasco, T. S.**, Ribeiro, A. M., Mota, G. S., Buchmann, F. S., 2023. Paleobiology of Pleistocene large land mammals from the Brazilian Pampa. *Quaternary International*, 676: 63–72. <https://doi.org/10.1016/j.quaint.2023.10.013>

**Carrasco, T. S.**, Lima, R. C., Mota, G. S., Botta, S., Secchi, E. R., Ribeiro, A. M., Ferigolo, J., Buchmann, F. S., 2023. Ecological traits of the franciscana dolphin (*Pontoporia blainvillei*) from the Late Pleistocene to the present days based on stable isotope analysis. *Marine Mammal Science*, 39: 1106–1120. <https://doi.org/10.1111/mms.13031>

**Carrasco, T. S.**, Scherer, C. S., Ribeiro, A. M., Buchmann, F. S., 2022. Paleodiet of Lamini camelids (Mammalia: Artiodactyla) from the Pleistocene of southern Brazil: insights from stable isotope analysis ( $\delta^{13}\text{C}$ ,  $\delta^{18}\text{O}$ ). *Paleobiology*, 48: 513–526. <https://doi.org/10.1017/pab.2022.10>

**Carrasco, T. S.**, Buchmann, F. S., 2021. Pleistocene cetacean fossils from the coastal plain of Rio Grande do Sul in southern Brazil. *Alcheringa: An Australasian Journal of Palaeontology*, 45: 369–381. <https://doi.org/10.1080/03115518.2021.1966647>

Lima, R. C., Franco-Trecu, V., **Carrasco, T. S.**, Inchausti, P., Secchi, E. R., Botta, S., 2022. Segregation of diets by sex and individual in South American fur seals. *Aquatic Ecology*, 56: 251–267. <https://doi.org/10.1007/s10452-021-09915-9>

**Carrasco, T. S.**, Lima, R. C., Botta, S., Machado, R., Simoes-Lopes, P. C., Ott, P. H., Secchi, E. R., 2020. Temporal and individual variation in the diet of the Neotropical otter, *Lontra longicaudis* (Olfers, 1818) (Carnivora, Mustelidae), as revealed by stable isotope analysis of vibrissae. *Mammalian Biology*, 100: 505–520. <https://doi.org/10.1007/s42991-020-00060-8>

**Carrasco, T. S.**, Botta, S., Machado, R., Simões-Lopes, P., Carvalho-Junior, O., Ott, P. H., Secchi, E. R., 2019. Isotopic niche of the Neotropical otter, *Lontra longicaudis* (Carnivora, Mustelidae), in different coastal aquatic systems in southern Brazil. *Hydrobiologia*, 835: 83–100. <https://doi.org/10.1007/s10750-019-3931-x>

**Carrasco, T. S.**, Botta, S., Machado, R., Colares, E. P., Secchi, E. R., 2018. Effects of acidification on the isotopic ratios of Neotropical otter tooth dentin. *Rapid Communications in Mass Spectrometry*, 32: 784–788. <https://doi.org/10.1002/rcm.8097>

## Journal Reviewer:

Aquatic Ecology, Hydrobiologia, Mammalia, Rapid Communications in Mass Spectrometry, and Zoologia.

## Grants and Awards:

Small Grants in Aid of Research, Society for Marine Mammalogy, 2021.

Sepkoski Grants, Paleontological Society, 2020.