

EDUCATION

2009 – 2012: **Ph.D. in Animal Biology**, São Paulo State University, Brazil
2007 – 2009: **M.Sc. in Animal Biology**, São Paulo State University, Brazil
2002 – 2005: **B.Sc. Biology**, Superior School São Francisco de Assis, Brazil

PROFESSIONAL EXPERIENCE

2025 – present: **Assistant Research Scientist**, University of Michigan, Ann Arbor, MI
2023 – present: **Affiliate Professor**, Federal Rural University of Pernambuco, Brazil
2023 – 2024: **Visiting Research Scientist**, University of Michigan, Ann Arbor, MI
2024 – 2024: **LEO Intermittent Lecturer**, University of Michigan, Ann Arbor, MI
2022 – 2023: **Visiting Research Scholar**, University of Michigan, Ann Arbor, MI
2017 – 2023: **Associate Professor**, Federal Rural University of Pernambuco, Brazil
2014 – 2017: **Assistant Professor**, Federal Rural University of Pernambuco, Brazil
2012 – 2014: **Postdoctoral Researcher**, Campinas State University, Brazil

FUNDED GRANTS

2024 – present	IDEAS LAB, Biosciences Initiative, U-M [role: leading the biodiversity subproject] Life-cycle analysis synthesized with ecosystems and risk focused on sustainable forestry	\$ 1,500,000
2023 – present	CNPq, Brazil [role: Collaborator] Psychosocial determinants of people's response to the climate emergency [PI Ulysses P. Albuquerque]	\$ 80,000
2020 – present	FAPESP, Brazil [role: Collaborator] Unraveling the effects of global changes on multiple dimensions of ecological stability in aquatic ecosystems [PI Gustavo R. Romero]	\$ 100,000
2018 – 2023	MCTIC / CNPq, Brazil [role: Co-PI] The role of ecological restoration to Caatinga sustainability [PI Felipe L.P. Melo]	\$ 100,000
2018 – 2023	FACEPE / CNPq, Brazil [role: Collaborator] Ethnobiology, Bioprospection and Nature Conservation [PI Ulysses P. Albuquerque]	\$ 250,000

FELLOWSHIPS

2022 – 2023: Visiting Scholar, University of Michigan
2012 – 2014: Postdoctoral research, Campinas State University, Brazil



2009 – 2012: Ph.D Fellowship, Campinas State University, Brazil

2015 – 2024: Student Fellowships, Federal Rural University of Pernambuco, Brazil

Fellowships approved to sponsor one postdoc, one undergraduate and 7 graduate students

ACADEMIC RECOGNITION

- CAPES, Brazil - National best dissertation award in Biodiversity for my PhD student Paulo Mateus Sobrinho (2022).
- Miranda et al. 2021 - *Charinus souzai*, whip spider named in honor of Thiago Gonçalves Souza.
- CAPES, Brazil - National best dissertation award in Biodiversity (2012).
- International Society of Arachnology - Best poster presentation - International Congress of Arachnology (2007).

PUBLICATIONS

Key: supervised students or postdocs*, **collaborator role**, first/corresponding/senior author/ leading role in analysis

Google Scholar: **number of citations** = 2,016, **H-index** = 23

Most relevant publications

1. **Gonçalves-Souza T**, Chase J, Haddad N, ... Sanders NJ. (2025) Increasing species turnover does not alleviate biodiversity loss in fragmented landscapes. *Nature*. doi.org/10.1038/s41586-025-08688-7
2. Boldorini GX*, McCary MA, Romero GQ, ..., **Gonçalves-Souza T** (2024) Predators control pests and increase yield across crop types and climates: a meta-analysis. *Proceedings of the Royal Society of London B*, 291, 20232522. doi.org/10.1098/rspb.2023.2522.
3. Pinho BX, ... , **Gonçalves-Souza T**, et al. (2025). Winner-loser plant trait replacements in human-modified tropical forests. *Nature Ecology and Evolution*. doi.org/10.1038/s41559-024-02592-5.
4. Martins PM*, Poulin R, **Gonçalves-Souza T**. (2021) Integrating climate and host richness as drivers of global parasite diversity. *Global Ecol. Biogeogr.* 30, 196-204. doi.org/10.1111/geb.13213.
5. Romero GQ, **Gonçalves-Souza T**, Kratina P, ... , Roslin T (2018). Global predation pressure redistribution under future climate change. *Nature Climate Change* 8, 1087-1091. doi.org/10.1038/s41558-018-0347-y.

All publications

1. Leandro-Silva V*, **Gonçalves-Souza T**, Naka L. Ecological and morphological traits determine community-wide responses of birds to climate change in a tropical dry forest. *Journal of Biogeography*. 10.1111/jbi.70026
2. Soares BE, ... **Gonçalves-Souza T**, ... Vidor CB. The “Conhecimento Brasil” Program neglects the structural problems of Brazilian science and fails to offer a solution to the brain drain. *An. Acad. Bras. Ciênc.* 97. doi.org/10.1590/0001-3765202520240496
3. **Gonçalves-Souza T**, ... , Chase J. (2025) LANDFRAG: A dataset to investigate the effects of forest loss and fragmentation on biodiversity. *Global Ecol. Biogeogr.* doi.org/10.1111/geb.70015
4. Cantalice AS*, **Gonçalves-Souza T**, Albuquerque UP. (2025). Effect of socioeconomic and anthropogenic variables on the richness of medicinal species on a macroscale. *J. Ethnobiol. Ethnomedicine* 21.
5. Carmo RFR*, Carvalho CH*, Gusmão RAS*, Alencar LFCS, Vizentin-Bugoni J, **Gonçalves-Souza T**. Invasive grass and honeybees alter plant-pollinator network structure in the Brazilian Caatinga. *Annals of the Brazilian Academy of Sciences*.
6. **Gonçalves-Souza T** (2024) Trophic cascades regulate arthropods density and plant damage across forest strata. *Journal of Animal Ecology*, 93, 1639-1642.

7. Monteiro Ferreira PS*, **Gonçalves-Souza T**, ..., et al. (2024). Biogeographic history and environmental gradients modulate non-stationary patterns of tropical tree diversity. *Annals of the Brazilian Academy of Sciences*, 96, e20230063.
8. VanValkenburg E, **Gonçalves-Souza T**, Sanders NJ, CaraDonna P (2024). Sodium-enriched nectar shapes plant–pollinator interactions in a subalpine meadow. *Ecology and Evolution*, e70026.
9. Gusmão RAF*, ... , **Gonçalves-Souza T** (2024). Body size and trophic levels explain global asymmetric response of tetrapod diversity to climate effects. *Ecology and Evolution*, 14, e11047.
10. **Gonçalves-Souza T**, Chaves LS*, Boldorini GX*, Ferreira N, Gusmão RAF*, ... , Umaña MN (2024). ZooTraits: An R Shiny app for exploring animal trait data for ecological and evolutionary research. *Ecology and Evolution*, e11334.
11. Sousa, TBB, Ferreira Júnior WS, **Gonçalves-Souza T**, Ramos MA (2024). The perception of availability explains the use value of plants: investigating the ecological apparency hypothesis. *Human Ecology*, 78.
12. **Gonçalves-Souza T**, Chaves LS*, Boldorini GX*, Ferreira N, Gusmão RAF*, et al. (2023). Bringing light onto the Raunkiaeran shortfall: A comprehensive review of traits used in functional animal ecology. *Ecology and Evolution* 13, 4. ***This paper was ranked within the top 10% of most-viewed papers published by the journal in 2023.***
13. Magalhães AR*, ..., **Gonçalves-Souza T** (2023). Neglected tropical diseases risk correlates with poverty and early ecosystem destruction. *Infectious Diseases of Poverty* 12, 32.
14. Garey MV, **Gonçalves-Souza T**, et al. (2023). Explaining the anuran beta diversity by pond living tadpoles: the role of dispersal limitation and environmental gradients through multiple scales. *Diversity and Distributions*, 29, 1609–1622.
15. Romero GQ, **Gonçalves-Souza T**, ... Koricheva J (2022). Climate variability and drought modulate the role of structural refuges for arthropods: a global experiment. *Global Change Biology* 28, 3694.
16. Sena PHA*, **Gonçalves-Souza T**, Gonçalves P, Monteiro Ferreira PS, Gusmão RAF, Melo FPL (2022). Biocultural restoration improves delivery of ecosystem services in social-ecological landscapes. *Restoration Ecology* 30, e13599.
17. **Gonçalves-Souza T**, Alves RRN, et al. (2022). Editorial: Integrating traditional ecological knowledge into ecology, evolution, and conservation. *Frontiers in Ecology and Evolution*, 10.3389/fevo.2022.1015457.
18. Silva RR, ... **Gonçalves-Souza T**, et al. (2022). The Atlantic Ants, the data paper of ants from Brazilian Atlantic Forest. *Ecology* 103, e03580.
19. Bernal-Valle S, ... , **Gonçalves-Souza T**, et al. (2022). Parasitic infections, hematological and biochemical parameters suggest appropriate health status of wild coati populations in anthropic Atlantic Forest remnants. *Veterinary Parasitology*, 30, 100963.
20. Pereira CC, ... , **Gonçalves-Souza T**, et al. (2022). Subtle structures with not-so-subtle functions: A data set of arthropod constructs and their host plants. *Ecology*, 103, e3639.
21. Ferreira N, Omena PM, **Gonçalves-Souza T**, et al. (2022). Water availability and quality determine temporal synchrony and beta diversity of microcrustaceans in temporary pools. *Freshwater Science* 41, 2.
22. Martins PM*, Poulin R, **Gonçalves-Souza T** (2021). Drivers of parasite β -diversity among anuran hosts depend on scale, realm and parasite group. *Philosophical Transactions of the Royal Society B*, 376, 20200367.
23. Gusmão RAF*, ..., **Gonçalves-Souza T**. Host diversity outperforms climate as a global driver of symbiont diversity in the bird-feather mite system (2021). *Diversity and Distributions*, 27, 416–426.
24. Pekár S, ..., **Gonçalves-Souza T**, et al. (2021). The World Spider Trait database: a centralized global open repository for curated data on spider traits. *Database* 2021, baab064.
25. Lima, ALA, ..., **Gonçalves-Souza T**, et al. (2021) Phenology of high-and low-density wood deciduous species responds differently to water supply in tropical semiarid regions. *Journal of Arid Environments*, 193, 104594.
26. Albuquerque UP,... , **Gonçalves-Souza T**, et al. (2021) Integrating traditional ecological knowledge into academic research at local and global scales. *Regional Environmental Change* 21, 45.

27. Alves RR, ..., **Gonçalves-Souza T**, et al. (2021) A global analysis of the evolutionary drivers of wild mammals use in traditional medicine. *Mammal Review*, 51, 293-306.
28. Albuquerque UP, ... , **Gonçalves-Souza T**, et al. (2020) Addressing social-ecological systems across temporal and spatial scales: a conceptual synthesis for Ethnobiology. *Human Ecology* 48, 557-571.
29. Naka L, Laranjeiras T, ... , **Gonçalves-Souza T**. (2020) Climate as a major driver of avian diversity in riparian Amazonian habitats along an environmental gradient *Journal of Biogeography*, 47, 2328-2340.
30. Lowe E, ... , **Gonçalves-Souza T**, et al. (2020). Towards a centralized spider traits database. *Journal of Arachnology* 48, 103-109.
31. **Gonçalves-Souza T**, Diniz-Filho JAF, Albuquerque, UP. (2020) Why scientific information does not necessarily impact the decisions by human society. *Ethnobiology and Conservation* 9, 9-11.
32. Gonçalves PHS, **Gonçalves-Souza T**, Albuquerque UP. (2020) Chronic anthropogenic disturbances as an emerging topic in Ecology: a bibliometric approach. *Scientometrics* 123, 1103-1107.
33. Antiqueira PAP, Omena PM, **Gonçalves-Souza T**, ... , Romero GQ. (2020) Precipitation and predation risk alter the diversity and behavior of pollinators and reduce plant fitness. *Oecologia* 192, 745-753.
34. Jeliakov A, ... **Gonçalves-Souza T**, et al. (2020) A global database for metacommunity ecology, integrating species, traits, environment and space. *Scientific Data* 7: 6.
35. Chase J, ... , **Gonçalves-Souza T**, et al. (2019). FragSAD: A database of diversity and species abundance distributions from habitat fragments. *Ecology* 100, e02861.
36. Albuquerque UP, ... , **Gonçalves-Souza T** (2019). Social-Ecological Theory of Maximization: Basic Concepts and Two Initial Models. *Biological Theory* 14, 73-85.
37. Gusmão PHP*, Sena PHA*, Bernabé TN*, Ouchi-Melo LS*, **Gonçalves-Souza T**. (2019) Interspecific plant functional variation prevails over intraspecific in driving spider beta-diversity. *Ecological Entomology* 45, 202-212.
38. Morais-Junior CS*, ... , **Gonçalves-Souza T**, et al. (2019) Bird feet morphology drives the dispersal of rotifers and microcrustaceans in a Neotropical temporary pond. *Aquatic Sciences* 81: 69.
39. Morais-Junior CS*, Melo M, **Gonçalves-Souza T**, et al. (2019) Zoochory of zooplankton: seasonality and bird morphological diversity can influence metacommunity dynamics of temporary ponds. *Journal of Plankton Research* 41, 465-477.
40. Albuquerque UP, ..., **Gonçalves-Souza T**, et al. (2021). A Reply to Pierotti's (2018) Review of "Evolutionary Ethnobiology": Decolonizing Latin American Science. *Ethnobiology Letters* 12, 79.
41. Romero GQ, **Gonçalves-Souza T**, ... , et al. (2018). Global predation pressure redistribution under future climate change. *Nature Climate Change* 8, 1087-1091.
42. Garey, M, Provete DB, **Gonçalves-Souza T**, Ouchi-Melo LS, et al. (2018). Phylogenetic and adaptive components of the anuran advertisement call correlate with temporal species co-occurrence. *Biological Journal of the Linnean Society* 125, 292-301.
43. Lima H, ... , **Gonçalves-Souza T**, Naka LN (2018). Ecological and phylogenetic predictors of mobbing behavior in a tropical dry forest. *Ecology and Evolution* 8, 12615-12628.
44. Sena PHA*, Lins-e-Silva ACB, **Gonçalves-Souza T** (2018). Integrating trait and evolutionary differences untangles how biodiversity affects ecosystem functioning. *Oecologia* 188, 1121-1132.
45. Ouchi-Melo LS*, Meynard CN, **Gonçalves-Souza T**, Rossa-Feres DC (2018). Integrating phylogenetic and functional biodiversity facets to guide conservation: a case study using anurans in a global biodiversity hotspot. *Biodiversity and Conservation* 27, 3247-3266.
46. Corte G*, **Gonçalves-Souza T**, et al. (2018) When time affects space: Dispersal ability and extreme weather events determine metacommunity organization in marine sediments. *Marine Environmental Research* 136: 139-152
47. Ouchi-Melo LS*, **Gonçalves-Souza T**, et al. (2017). Tadpole species richness within lentic and lotic microhabitats: an interactive influence of environmental and spatial factors. *Herpetological Journal* 27, 339-345.
48. Romero G, ... , **Gonçalves-Souza T** (2016) Food web structure shaped by habitat size and climate across a latitudinal gradient. *Ecology* 97, 2705-2715.

49. Miranda G, Milleri-Pinto M, **Gonçalves-Souza T**, et al. (2016). A new species of *Charinus* Simon 1892 (Amblypygi, Charinidae) from Brazil, with notes on behavior. *ZooKeys* 621, 15-36.
50. **Gonçalves-Souza T** (2016). Induced biotic response in Amazonian ant-plants: the role of leaf damage intensity and plant-derived food rewards on ant recruitment. *Sociobiology* 63, 919-924.
51. **Gonçalves-Souza T**, Araújo MS, et al. (2015). Fine-scale beta-diversity patterns across multiple arthropod taxa over a Neotropical latitudinal gradient. *Biotropica* 47, 588-594.
52. **Gonçalves-Souza T**, Santos AJ, et al. (2015). Conservation along a hotspot rim: spiders in Brazilian coastal restingas. *Biodiversity and Conservation* 24, 1131-1146.
53. Romero GQ, **Gonçalves-Souza T**, et al. (2015). Ecosystem engineering effects on species diversity across ecosystems: A meta-analysis. *Biological Reviews* 90, 877-890.
54. **Gonçalves-Souza T**, Romero GQ, Cottenie K (2014). Metacommunity versus Biogeography: a case study of two groups of neotropical vegetation dwelling arthropods. *PLoS ONE* 9: e115137734.
55. Provete DB, **Gonçalves-Souza T**, et al. (2014). Broad-scale spatial patterns of pond morphology and canopy cover affect the structure of Neotropical tadpole metacommunity. *Hydrobiologia* 734: 69-79.
56. **Gonçalves-Souza T**, Giupponi APL, Hernandez FA (2014) A rare finding of mites parasitizing a whip spider (Arachnida, Amblypygi, Charinidae). *Folia Parasitologica* 61: 182-184.
57. **Gonçalves-Souza T**, Diniz-Filho JAF, Romero GQ (2014) Disentangling phylogenetic and ecological components of spider phenotypic variation. *PLoS ONE* 9(2): e89314.
58. **Gonçalves-Souza T**, Romero GQ, Cottenie K (2013). A critical analysis of the ubiquity of linear local-regional richness relationships. *Oikos* 122, 96-966. *Oikos Editor's Choice*.
59. Casatti L, Teresa FB, **Gonçalves-Souza T**, et al. (2012). From forests to cattail: how does the riparian zone influence stream fish? *Neotropical Ichthyology* 10, 205-214.
60. **Gonçalves-Souza T**, Almeida-Neto, Romero GQ. (2011) Bromeliad architectural complexity and vertical distribution predict spider abundance and richness. *Austral Ecology* 36, 476-484.
61. **Gonçalves-Souza T**, Brescovit AD, et al. (2010). Bromeliad as biodiversity amplifiers and habitat segregation of spider communities in a Neotropical Rainforest. *Journal of Arachnology* 38, 270-279.
62. **Gonçalves-Souza T**, Omena PM, et al. (2008). Trait-mediated effects on flowers: artificial spiders deceive pollinators and decrease plant fitness. *Ecology* 89, 2407-2413.
63. **Gonçalves-Souza T**, Matallana G, Brescovit AD (2008). Effects of habitat fragmentation on the spider community (Arachnida, Araneae) in three Atlantic Forest remnants in southeastern Brazil. *Revista Ibérica de Aracnología* 16, 35-42.

Manuscripts in review

64. Graco-Roza C, ..., **Gonçalves-Souza T**, et al. Human pressure homogenizes species and traits globally. *Nature*. [10.21203/rs.3.rs-5395446/v1](https://doi.org/10.21203/rs.3.rs-5395446/v1)
65. **Gonçalves-Souza T**, Au TF ... Reich PB. Using a trait-based approach to integrate science disciplines in the face of global change. *Global Challenges*.
66. **Carmo RFR***, **Sena PHA***, Melo FPL, Januario M, Carvalho T, von der Plas F, Wirth C, Reich PR. **Gonçalves-Souza T**. Functional and phylogenetic diversity drive leaf decomposition through differential interactions with climatic and disturbance gradients. *Ecosphere*.
67. Luo W, Peay K, **Gonçalves-Souza T**, Reich PB, Zak DR, Zhu K. Climate and land-use changes predicted to jointly threaten soil fungal diversity in one-third of North American coniferous forests, *Global Change Biology*.
68. Boldorini GX, ... **Gonçalves-Souza T**. SpiderATLAS: A database of spider traits and distributions in the Brazilian Atlantic Forest. *Journal of Biogeography*.

Book and Book Chapters

1. da Silva FR, **Gonçalves-Souza T**, Paterno G, Vancine M, Provete D (2022). *Ecological Analysis in R* (in portuguese). Editora NUPEEA. <https://analises-ecologicas.com/>
2. **Gonçalves-Souza T**, Garey MV, Silva FR, Provete DB, Albuquerque UP. (2019). Going back to basics: how to master the art of making scientifically sound questions. In: Albuquerque UP, Lucena RFP,

Cunha LVFC, Alves RRN (editors): Methods and Techniques in Ethnobiology and Ethnoecology. Springer Protocols, Humana Press.

3. **Gonçalves-Souza T**, Garey MV, Silva FR, Albuquerque UP, Provete DB. (2019). Multidimensional analyses for testing ecological, ethnobiological, and conservation hypotheses. In: Albuquerque UP, Lucena RFP, Cunha LVFC, Alves RRN (editors): Methods and Techniques in Ethnobiology and Ethnoecology. Springer Protocols, Humana Press.
4. Giupponi APL, Demite PR, Flechtman CHW, Hernandes FA, Mendes AC, Migliorini GH, Miranda GS, **Gonçalves-Souza T** (2018). Arachnids from the Atlantic Forest (in portuguese). In: Monteiro-Filho, ELA, Conte CE (editors): Reviews in Zoology: Atlantic Forest. Editora UFPR.

SUPERVISIONS

Exchange graduate students

Alexandre P. Neto, PhD (Brazilian Exchange Program - University of Michigan, 2024-2025)
 Luziene S. Santos, PhD (Brazilian Exchange Program - University of Michigan, 2025-2026)
 Gabriel Xavier Boldorini Ariero, PhD (Brazilian Exchange Program - University of Michigan, 2025-2026)

Current graduate students

Dunya Diyadawagamage, MS (SEAS, University of Michigan)
 Ingrid da Silva Lima, PhD (Federal Rural University of Pernambuco, Brazil)
 Gabriela Albuquerque Galvão, PhD (Federal Rural University of Pernambuco, Brazil)
 Gabriel Xavier Boldorini Ariero, PhD (Federal Rural University of Pernambuco, Brazil)

Previous postdoctoral researchers

Leonardo da Silva Chaves, 2021 --- Rodrigo F.R. Carmo, 2022

Previous graduate students

Aparecida Barbosa de Paiva, PhD, 2025 --- Aníbal da Silva Cantalice, PhD, 2025 ---
 Victor Leandro-Silva, PhD, 2025 --- Mirela Natália Santos, PhD, 2024 --- Reginaldo Augusto Gusmão, PhD, 2024 --- Arthur Ramalho Magalhães, PhD, 2023 --- Ingrid da Silva Lima, MS, 2023 --- Gabriela Albuquerque Galvão, MS, 2023 --- Gabriel Xavier Boldorini Ariero, MS, 2023 --- Pedro Albuquerque Sena, PhD, 2021 --- Paulo Sérgio Monteiro, PhD, 2021 --- Paulo Mateus Martins Sobrinho, PhD, 2021 --- - Victor Leandro-Silva, MS, 2021 --- Cássio Henrique C. da Silva, MS, 2020 --- Theo Branco O. Wanderley, MS, 2020 --- Reginaldo Augusto Gusmão, MS, 2019 --- Tiago Nascimento Bernabé, PhD, 2019 --- Lilian Sayuri Ouchi Melo, PhD, 2018 --- Gisiane Rodrigues de Lima, MS, 2018 --- Pedro Albuquerque Sena, MS, 2017 --- Paulo Gusmão, MS, 2017.

Previous undergraduate honor thesis students

Stephanie Santana Silva, Camila Chagas Patriota, Gabriel Xavier Boldorini Ariero, Gabriela Albuquerque Galvão, Gustavo Henrique Aires, Theo Branco O. Wanderley, Cássio Henrique C. da Silva, Gabrielle Firmino Soares

CONFERENCE TALKS AND ACADEMIC SEMINARS

2025 – Guest lecture, Ecology Lab, UMBS, Pellston
 2025 – Guest lecture, Undergraduate Research Fellowship Program, UMBS, Pellston
 2024 – Invited Research Seminar, University of Michigan, IGCB/SEAS
 2024 – Invited Research Seminar, University of Massachusetts, Boston
 2024 – X Workshop of Genetics, Biodiversity, and Conservation, online presentation, Brazil
 2023 – Annual Meeting of the Ecological Society of America, Portland
 2023 – Department of Nutrition, Paraíba, Brazil
 2023 – Department of Animal Biology, Campinas, Brazil



2022 – Institute for Global Change Biology, Ann Arbor, MI
2021 – Department of Nutrition, Natal, Brazil
2020 – II Workshop of Community Ecology, online presentation
2020 – Department of Biology, Foz do Iguaçu, Brazil
2020 – Department of Biology, Ceará, Brazil
2019 – ECOTONO – University of Comahue, Bariloche, Argentina
2019 – Department of Ecology, Salvador, Brazil
2018 – Biological Sciences Institute, Belém, Brazil
2018 – Colloquium of Ecology and Evolution, Recife, Brazil
2017 – Department of Biology, Foz do Iguaçu, Brazil
2017 – Department of Biology, Recife, Brazil
2017 – Catholic University of Pernambuco, Recife, Brazil
2016 – Symposium of Theoretical Ecology, Gramado, Brazil
2015 – Symposium of Ecology, Recife, Brazil
2015 – Department of Biology, Recife, Brazil
2015 – Brazilian Congress of Botany, Vitória, Brazil
2015 – Department of Ecology, Porto Alegre, Brazil
2014 – Department of Ecology and Evolution, Goiânia, Brazil
2014 – Department of Biology, Foz do Iguaçu, Brazil
2012 – Department of Ecology, Viçosa, Brazil
2012 – Annual Meeting of the Association for Tropical Biology and Conservation, Bonito, Brazil
2012 – Department of Ecology, Rio Claro, Brazil
2008 – Department of Animal Biology, São José do Rio Preto, Brazil

TEACHING EXPERIENCE

Main instructor – Graduate level

1. Population and Community Ecology (University of Michigan, 1 semester, co-teach with N. Sanders, M. Duffy, A. Classen, J. Allgeier); **2. Evolutionary Ethnobiology** (Federal Rural University of Pernambuco, 1 semester); **3. Multivariate analysis** (Campinas State University, 1 semester); **4. Seminars in Ethnobiology** (Federal Rural University of Pernambuco, 3 semesters); **Statistical Analysis** (Federal Rural University of Pernambuco, 4 semesters); **5. Biodiversity methods** (Federal Rural University of Pernambuco, 2 semesters); **6. Phylogenetics** (São Paulo State University, 1 semester); **7. Numerical Ecology** (São Paulo State University, 1 semester); **8. Multivariate analysis** (more than 10 courses taught all over Brazil, > 400 hours).

Main instructor – Undergraduate level

1. Ecology Lab (University of Michigan, 2 semesters); **2. Biostatistics** (Federal Rural University of Pernambuco, 4 semesters); **3. Conservation Biology** (Federal Rural University of Pernambuco, 6 semesters); **4. Ecology** (Federal Rural University of Pernambuco, 8 semesters); **5. Community Ecology** (Federal Rural University of Pernambuco, 3 semesters).

Additional courses (invited lecture)

1. Community Ecology (Campinas State University, 1 semester); **2. Community Ecology** (São Paulo State University, 2 semesters); **3. Field Ecology** (Federal University of Rio Grande do Sul, 1 semester); **4. Field Ecology: Caatinga** (Federal University of Pernambuco, 1 semester); **5. Field Ecology: Plant-Animal Interactions** (Campinas State University, 1 semester); **6. Field Ecology** (Federal University of Viçosa, 1 semester); **7. Field Ecology: Amazonia** (National Institute of Amazon Research, 1 semester); **8. Field Ecology: Methods** (Federal University of Viçosa, 1 semester); **9. Ecosystem Ecology** (São Paulo State University, 1 semester); **10. Population and Community Ecology** (University of Michigan, 2 semesters).

Programs and learning events



Stats sessions – I created and am currently leading this program to facilitate interactions between postdocs and graduate students in teaching and learning statistical analysis and tools at the University of Michigan.

Lunch and learn – I created and am currently leading this program to foster interactions between faculty and postdocs, focusing on career opportunities and job search strategies.

MAJOR SERVICE

University

Head of the Postdoc Development Program, IGCB, University of Michigan (2023-present)
Chair of the Ethnobiology and Conservation Graduate Program, UFRPE (2018-2022)
Advisory board – covid-19 strategies (graduate level), Vice-President Office, UFRPE (2020-2021)
Board member – Central Chamber for Research and Teaching, UFRPE (2018-2020)
Advisory board – Ethnobiology and Conservation Graduate Program, UFRPE (2017-2018)
Department board (member) – Biology Department, UFRPE (2016-2017)
Department board (vice-member) – Biology Department, UFRPE (2015-2016)
Advisory board – Biology Undergraduate Program, UFRPE (2015-2016)
Advisory board – Ecology Graduate Program, UFRPE (2015)

Journal Editor

Associate Editor, Journal of Animal Ecology (2023-present)
Associate Editor, Philosophical Transactions of the Royal Society B (2023-present)
Associate Editor, Ethnobiology and Conservation (2019-present)
Guest Associate Editor, Frontiers in Ecology and Evolution (2021-2022)

Grant Review Panel

Fundo Brasileiro para a Biodiversidade (2019-2022)
Czech Science Foundation (2020-2021)
National Science Center, Poland (2022)

Peer Review

Nature Communications, Nature Ecology & Evolution, Ecology Letters, Global Change Biology, Proceedings of the Royal Society B, Journal of Animal Ecology, Functional Ecology, American Naturalist, Journal of Biogeography, Oikos, Journal of Applied Ecology, Ecological Applications, Ecography, Perspectives in Ecology and Conservation, Freshwater Biology, Ecology and Evolution, Ecological Entomology, Biotropica, Biological Conservation, Insect Conservation and Diversity, and many others.

PROFESSIONAL ORGANIZATIONS AND AFFILIATIONS

2022-2024 Ecological Society of America
2023-present British Ecological Society

MEDIA COVERAGE (HIGHLIGHTED MANUSCRIPTS)

Gonçalves-Souza et al. 2025, Nature.

<https://www.eurekalert.org/news-releases/1076704>

<https://www.sciencedaily.com/releases/2025/03/250312123852.htm>

<https://phys.org/news/2025-03-biodiversity-big.html>

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