

VINICIUS AUGUSTO GALVÃO BASTAZINI

Summary

I have a broad (and when I say broad, I mean broad!) interest in Ecology, Evolutionary Biology and Conservation Biology, but my main interest lies in understanding the interplay between ecological and evolutionary dynamics and its consequences to patterns of biological diversity and species interactions. I approach these topics by integrating theoretical and analytical concepts from Phylogenetics, Functional Ecology, and Complex Networks, using species traits as a biological building block to understand eco-evolutionary dynamics and their consequences to ecological communities and ecosystem functioning.

EDUCATION

2011
|
2015

● Doctor of Science

Federal University of Rio Grande do Sul*

📍 Porto Alegre, Brazil

Dissertation: Integrating Evolutionary and Ecological Processes in the Study of Interaction Networks.

*Title recognized by the University of Lisbon 2019

2009
|
2011

● Master's degree in Ecology

Federal University of Rio Grande do Sul

📍 Porto Alegre, Brazil

Thesis: Effects of Habitat and Spatial Structure on Mammalian Diversity in Northern Pantanal: A Fine Grain Approach

2004
|
2007

● Bachelor of Science in Ecology

Catholic University of Pelotas

📍 Pelotas, Brazil

Undergraduate Thesis: Spatial Analysis of the Trophic Ecology of the Neotropical Otter (*Lontra Longicaudis*) (Olfers, 1818) (Mustelidae: Lutrinae)

PROFESSIONAL EXPERIENCE

2025
(February-
May)

● Scientific Consultant

Kome Consulting/ The Nature Conservancy

📍 Belgium (remote)

2021
|
2024

● Junior Researcher

University of Evora

📍 Evora, Portugal

2020

● Post-doctoral Researcher

Federal University of Rio Grande do Sul - Road and Railroad Ecology Center


📍 Porto Alegre, Brazil




CONTACT INFO

 [Personal Website](#)

 bastazini.vinicius@gmail.com

 Nivelles, Belgium

 +32 474 13 95 53

 github.com/bastazini

 [Research Gate](#)

 [Google Scholar](#)

 [0000-0001-5270-0621](#)

EXPERTISE

Biogeography

Community Ecology

Complex Networks

Conservation Biology

Evolutionary Ecology

Functional Ecology

LANGUAGES

Portuguese (Native)

English (Fluent)

Spanish (Fluent)

French (Intermediate)

- 2017
|
2019

Post-doctoral Researcher
 French National Center for Scientific Research

📍 Moulis, France
- 2016

Research Fellow
 Federal University of Rio Grande do Sul - Laboratory of Quantitative Ecology

📍 Porto Alegre, Brazil
- 2013

Visiting Professor Biostatistics
 Catholic University of Pelotas - Specialization in Conservation Biology

📍 Pelotas, Brazil
- 2008
|
2009

Research Fellow
 Catholic University of Pelotas

📍 Pelotas, Brazil
- 2008
|
2009

Research Fellow
 Federal University of Rio Grande do Sul

📍 Porto Alegre, Brazil
- 2006
|
2010

Co-founder and Member of the Executive Committee
 Pró-Pampa Institute

📍 Pelotas, Brazil



PUBLICATIONS

- SCHOLARLY ARTICLES**
- In
revision

Prioritising road mitigation efforts based on landscape structure and species navigation traits: insights from mechanistic modelling
Biological Conservation
 Dasoler, B, Teixeira, F., Kindel, A., Ascensão, F., Bastazini, V.A.G.
- In
revision

Contrasting Roles of Threatened and Non-threatened Species in European Food Webs
Diversity & Distributions
 Mestre, F., Gallana, N., Bastazini, V.A.G., González-del-Piego, P., & Araújo, M. B.
- Under
review

Climate change in the Brazilian Cerrado: A looming threat to terrestrial biodiversity
WIREs Climate Change
 Hofmann, G., Weber, E., Bastazini, V.A.G., Rossatto, D.R., Franco, A.C., Granada, C.E., Kaminski, L.A., Ubaid, F.K., Leandro-Silva, V., Borges-Martins, M., Silva, R.C., Cardoso, M.F., Oliveira, L.F.B., Aquino, F.E., & Ramos Pereira, M.J.
- Under
review

The spatial scaling of multiple dimensions of functional diversity in habitat islands
Functional Ecology
 Dias, R., Bastazini, V.A.G., Gianuca, A., & Matthews, T.J.

- 2025 ● **Mapping global shipless areas and conflict zones between shipping and marine large vertebrates**
Biological Conservation, 311: 111431
Mestre, F., D'Amico, M., Bastazini, V.A.G., Assis, J., Jacinto, D., Marçalo, A., Ascensão, F.
- 2025 ● **From Pairwise Interactions to Community Structure: A Trait-Based Approach to Inferring Assembly Mechanisms Across Spatial Scales**
Functional Ecology, 1-3
Bastazini, V.A.G.
- 2025 ● **Effects of road density on regional food webs**
Conservation Biology 39(4), e70007
Mestre, F., Bastazini, V.A.G., Ascensão, F.
- 2025 ● **Southern Brazil's 2024 Floods: Causes, impacts, and how wetlands can help mitigate extreme climate disasters**
SILNews - The International Society of Limnology Newsletter 85, 6-7.
Bastazini, V.A.G., Hofmann, G.S.
- 2025 ● **Nest site selection by a grassland-dependent Neotropical passerine, the Tawny-bellied Seedeater *Sporophila hypoxantha***
Ornithology Research 33(12), 1-9
Franz, I., Chiarini, E., Bastazini, V.A.G., Boldrini, I., Fontana, C.
- 2024 ● **Are threatened species important for glueing interaction networks together?**
Perspectives in Ecology and Conservation 22(4), 342-347
Del-Pliego, P., Galiana, N., González-Trujillo, J.D., Mestre, F., Araújo, M.B., Bastazini, V.A.G.
- 2024 ● **Coping with collapse: Functional robustness of coral-reef fish network to simulated cascade extinction**
Global Change Biology 30, e17513
Luza, A.L., Bender, M.G., Ferreira, C.E.L., Floeter, S.R., Francini-Filho, R.B., Longo, G.O., Pinheiro, H.T., Quimbayo, J.P., Bastazini, V.A.G.
- 2024 ● **Elevational shifts in tree community composition in the Brazilian Atlantic Forest related to climate change**
Journal of Vegetation Science 35(4): e13289
Bergamin, R.S., Bastazini, V.A.G., Esquivel-Muelbert, A., Bordin, K., Klipel, J., Debastiani, V., Vibrans, A., Loyola, R., Müller, S.
- 2023 ● **Network and parasitological analyses reveal latitudinal gradient in bats-ectoparasitic flies interactions across the Neotropic**
Ecology and Evolution 13(9): e10527
Biz, L. Bastazini, V.A.G., Carvalho, F., Pereira, M.J.R.

- 2022 ● **The role of evolutionary modes for trait-based cascades in mutualistic networks**
Ecological Modelling 470: 109983
 Bastazini, V.A.G., Debastiani, V., Cappelatti, L., Guimarães, P., & Pillar, V.P.
- 2022 ● **Ecological network complexity scales with area**
Nature Ecology and Evolution 6: 307–314
 Galiana, N., Lurgi M., Bastazini, V.A.G., Bosch, J., Cagnolo, L., Cazelles, K., Claramunt-López, B., Emer, C., Fortin, M., Grass, I., Hernández-Castellano, C., Jauker, F., Leroux, S.J., McCann, K., McLeod, A.M., Montoya, D., Mulder, C., Osorio-Canadas, S., Reverté, S., Rodrigo, A., Steffan-Dewenter, I., Traveset, A., Valverde, S., Vázquez, D.P., Wood, S.A., Gravel, D., Roslin, T., Thuiller, W. & Montoya, J.M.
- 2022 ● **Native and alien grassland diversity respond differently to environmental and anthropogenic drivers across spatial scales**
Journal of Vegetation Science 33(3): e13133
 Bergamin, R S., Ascensão, F., Capinha, C., Bastazini, V.A.G., Andrade, B.O., Boldrini, I.I., Lezama, F., Altesor, A., Perelman, S., & Overbeck, G.E.
- 2022 ● **Mainstreaming ecological connectivity in road environmental impact assessments: A long way to go**
Impact Assessment and Project Appraisal 40 (6): 475-480
 Gonçalves, L.O., Kindel, A., Bastazini, V.A.G., & Teixeira, F.Z.
- 2021 ● **Phylogenetic uncertainty and the inference of patterns in community ecology and comparative studies**
Oecologia 196: 633–647
 Debastiani, V., Bastazini, V.A.G. & Pillar, V.P.
- 2021 ● **Using phylogenetic information to impute missing functional trait values in ecological databases**
Ecological Informatics 63: 101315
 Debastiani, V., Bastazini, V.A.G. & Pillar, V.P.
- 2021 ● **The impact of climate warming on species diversity across scales: Lessons from experimental meta-ecosystems**
Global Ecology and Biogeography 30 (7): 1545-1554
 Bastazini, V.A.G. Galiana, N., Hillebrandt, H., Estiartes, M., Ogayas, R., Peñuelas, J., Sommer, U. & Montoya, J. M.
- 2020 ● **Species richness and patterns of overdispersion, clustering and randomness shape phylogenetic and functional diversity-area relationships in habitat islands.**
Journal of Biogeography 47 (8): 1638-1648
 Dias, R.A., Bastazini, V.A.G., Kock, B., Bonow, F.C., Sanyvan, M.S. & Gianuca, A.T. 2020.

- 2020 ● **Including rewiring in the estimation of the robustness of mutualistic networks**
Methods in Ecology and Evolution 11 (1): 106-116
Vizentin-Bugoni, J., Debastiani, V.J., Bastazini, V.A.G., Maruyama, P.K. & Sperry J.H
- 2020 ● **NEOTROPICAL CARNIVORES: A dataset of occurrence of carnivores in the Neotropics.**
Ecology 101 (11): e03128
Nagy-Reis, M.B.,[...], Bastazini, V.A.G., et al.
- 2020 ● **NEOTROPICAL ALIEN MAMMALS: A dataset of occurrence and abundance of alien mammals in the Neotropics**
Ecology 101 (11): e03115.
Rosas, C., [...], Bastazini, V.A.G., et al.
- 2019 ● **Loss of generalist plant species and functional diversity decreases the robustness of a seed dispersal network**
Environmental Conservation 46 (1): 52-58.
Bastazini, V.A.G., Debastiani, V., Azambuja, B., Guimarães, P., & Pillar, V.
- 2019 ● **NEOTROPICAL XENARTHANS: A data set of occurrence of xenarthran species in the Neotropics**
Ecology 100(7): e02663
Santos, P.,[...], Bastazini, V.A.G., et al.
- 2018 ● **Assessing sampling sufficiency of network metrics using bootstrap**
Ecological Complexity 36: 268-275
Casas, G., Bastazini, V.A.G., Debastiani, V. J., & Pillar, V.D.P. 2018.
- 2018 ● **Environmental predictors of demography in the tuco-tuco of the dunes (*Ctenomys flamarioni*)**
Mastozoología Neotropical 25 (2): 293-304
Garcias, F.M., Stolz J., Fernández G.P., Kubiak B.B., Bastazini, V.A.G. & Freitas T.R.O.
- 2018 ● **Reptile road-kills in southern Brazil: Composition, hot moments and hotspots**
Science of the Total Environment 615: 1438-1445
Gonçalves, L.O., Alvares, D.J., Teixeira, F.Z., Schuck, G., Coelho, I.P., Esperandio, I.B., Anza, J., Beduschi, J., Bastazini, V.A.G. & Kindel, A.
- 2017 ● **Untangling the tangled bank: A novel method for partitioning the effects of phylogenies and traits on ecological networks**
Evolutionary Biology 44: 312-324
Bastazini, V.A.G., Abreu, P.M., Azambujo, B., Casas, G., Debastiani, V., Guimarães Jr, P R. & Pillar, V.P.

- 2017 ● **Livestock disturbance in southern Brazilian grasslands influences avian species diversity via turnover**
Biodiversity and Conservation 26: 2473–2490
Dias, R.D., Gianuca, A., Vizentin-Bugoni, J., Bencke, G.A. & Bastazini, V.A.G.
- 2017 ● **Linking beta diversity patterns to protected areas: Lessons from the Brazilian Atlantic Forest**
Biodiversity & Conservation 26: 1557–1568.
Bergamin, R. S., Bastazini, V.A.G., Vélez-Martin, E., Debastiani, V., Zanini, K.J., Loyola, R. & Müller, S.C.
- 2016 ● **Implications of climatic seasonality on activity patterns and resource use by sympatric peccaries in northern Pantanal**
International Journal of Biometeorology 60: 421-433
Hofmann, G.S., Coelho, I. P., Bastazini, V.A.G., Cordeiro, J. L. P. & Oliveira, L.F.B.
- 2015 ● **Choosing and using traits in functional diversity research**
Environmental Conservation 42: 104-107
Lefcheck, J., Bastazini, V.A.G. & Griffin, J.N.
- 2015 ● **Taxonomic and functional diversity of woody plant communities on opposing slopes of inselbergs in southern Brazil**
Plant Ecology and Diversity 8: 187-197
Carlucci, M.B., Bastazini, V.A.G., Hofmann, G. S., Macedo, J.H., Iob, G., Duarte, L.D.S., Hartz, S.M. & Müller S.C.
- 2014 ● **Climate effects on amphibian distribution depend on phylogenetic scale and biogeography**
Global Ecology and Biogeography 23: 213-222
Duarte, L.S., Both, C., Carlucci, M., Debastiani, V., Cappelatti, L., Seger, G., Salengue, E., Bastazini, V.A.G., Gonçalves, L.O., Brum, F. T. & Bernardo-Silva, J.
- 2014 ● **Bird-habitat associations in coastal rangelands of southern Brazil**
Iheringia - Série Zoologia 104: 200-208
Dias, R.A., Gianuca, A.T. & Bastazini, V.A.G.
- 2013 ● **Independent and shared effects of environmental features and space driving avian community beta-diversity across a coastal gradient in southern Brazil**
Austral Ecology 38: 864–873
Gianuca, A.T., Bastazini, V.A.G., Dias, R.A. & Hernández, M. 2013.

- 2013 ● **Shifts in composition of avian communities related to temperate-grassland afforestation in southeastern South America**
Iheringia - Série Zoologia 103: 12-19
 Dias, R.A., Bastazini, V.A.G., Gonçalves, M.S.S., Bonow, F.C. & Müller, S.
- 2013 ● **Feeding ecology of *Lontra longicaudis* in the lower Arroio Grande, southernmost Brazil**
Anais da Academia Brasileira de Ciências 85: 285-294
 Sousa, K.S., Bastazini, V. A. G. & Colares, E.P.
- 2012 ● **Abundance of *Conepatus chinga* (Carnivora: Mephitidae) and other medium-sized mammals in grasslands of southern Brazil**
Iheringia - Série Zoologia 102: 303-310
 Kasper, C.B., Bastazini, V.A.G., Soares, J. B. G. & Freitas, T.R.O.
- 2009 ● **First breeding record of the bay-capped wren-spinetail (*Spartonoica maluroides*) in Brazil, with nest and nestling descriptions and nesting behavior notes**
Iheringia - Série Zoologia 99: 449-455. 2009
 Dias, R.A., Gonçalves, M.S.S. & Bastazini, V.A.G.
- 2008 ● **Trophic ecology and the use of shelters and latrines by the Neotropical otter (*Lontra longicaudis*) in the Taquari Valley, Rio Grande do Sul, Brazil**
Iheringia - Série Zoologia 98: 1-6
 Kasper, C.B., Bastazini, V.A.G., Salvi, J. & Grillo, H.C.Z.
- **BOOKS AND BOOK CHAPTERS**
- In press ● **Diversity and extinction risk of Andean amphibians across life regions**
 In: (eds) Navas, C., Piantoni, C., Catenazzi, A., Urbina-Cardona, N. *Andean herpetofauna - explorations of diversity, ecology, and conservation*. Springer.
 González-del-Piego, P., Bastazini, V.A.G.
- In press ● **Road effects on biotic interactions**
 In: (eds) D'Amico, M., Barrientos, R., Ascensão, F. *Road ecology: Synthesis and perspectives*. Springer.
 Mestre, F., Quiles, P., Bastazini, V.A.G., Ascensão, F.
- 2024 ● **Ecologia e conservação de ecossistemas aquáticos do sul do Brasil (Ecology and conservation of aquatic ecosystems in southern Brazil).**
 Editora USEB, 236 p. ISBN: 978-85-89985-39-0
 Gonçalves, M., Bastazini, V.A.G., Andretti, C., Lanés, L.E., Volcan, M.

- 2024 ● **Ecossistemas aquáticos do sul do Brasil: Contexto ambiental, histórico e desafios para a conservação (Aquatic ecosystems of southern Brazil: Environmental and historical context and challenges for conservation)**
In: (eds) Gonçalves, M., Bastazini, V.A.G., Andretti, C., Lanés, L.E., Volcan, M. *Ecologia e conservação de ecossistemas aquáticos do sul do Brasil*. Editora USEB, pp. 25-35. ISBN: 978-85-89985-39-0
Bastazini, V.A.G., Gonçalves, M., Lima, L.T., Andretti, C., Lanés, L.E., Volcan, M., Milheira, R.G.
- 2024 ● **A fragmentação afeta a dinâmica das populações do arredio-do-gravatá (*Limnoides rectirostris*) em manchas de áreas úmidas continentais (Habitat fragmentation compromises the population dynamic of the Straight-billed Reedhaunter in continental wetlands)**
In: (eds) Gonçalves, M., Bastazini, V.A.G., Andretti, C., Lanés, L.E., Volcan, M. *Ecologia e conservação de ecossistemas aquáticos do sul do Brasil*. Editora USEB, pp. 117-125. ISBN: 978-85-89985-39-0
Gonçalves M. S., Pons, P., Bonow, F., Bastazini, V.A.G., Gil-Delgado, J. & Iborra, G.L.
- 2024 ● **Identificando o potencial de conservação de áreas úmidas usando ferramentas da teoria de redes complexas (Unravelling the conservation potential of wetlands using complex network tools)**
In: (eds) Gonçalves, M., Bastazini, V.A.G., Andretti, C., Lanés, L.E., Volcan, M. *Ecologia e conservação de ecossistemas aquáticos do sul do Brasil*. Editora USEB, pp. 127-137. ISBN: 978-85-89985-39-0
Bastazini, V.A.G., Gianuca, A.T., Vizentin-Bugoni J., Gonçalves, M.S.S., & Dias R.A.
- 2013 ● **Fauna da Reserva Particular do Patrimônio Natural SESC Pantanal: Uma perspectiva através de armadilhas fotográficas (Fauna of the SESC Pantanal Natural Heritage Private Reserve: A perspective through camera traps).**
Editora SESC, 55 p. ISBN: 978-85-89336-99-4
Hoffman, G. S., Bastazini, V.A.G., Coelho, I. P., Oliveira, L. F. B.



TEACHING EXPERIENCE

- 2022 | 2024 ● **Biogeography**
University of Evora  Evora, Portugal
- 2017 ● **Biostatistic using R**
Dep. Botany - Federal University of Rio Grande do Sul  Porto Alegre, Brazil
- 2014 ● **Introduction to Quantitative Ecology**
Federal University of Pelotas  Pelotas, Brazil
- 2011 | 2013 ● **Theoretical Ecology**
Federal University of Rio Grande do Sul  Porto Alegre, Brazil













- 2013 ● **Introduction to Quantitative Ecology**
Zoo-botanic Foundation of Rio Grande do Sul 📍 Porto Alegre, Brazil
- 2013 ● **Introduction to R**
Pontifical Catholic University of Rio Grande do Sul
📍 Porto Alegre, Brazil
- 2012 ● **Introduction to Quantitative Ecology**
Federal University of Pelotas 📍 Pelotas, Brazil
- 2011 ● **Quantitative Methods Applied to Ecology**
Federal University of Rio Grande do Sul 📍 Porto Alegre, Brazil
- 2009 ● **Statics Applied to Ecology and Conservation Biology**
Federal University of Pelotas 📍 Pelotas, Brazil
- 2008 ● **Sampling and Analysis Techniques in Bird Ecology**
Lagoa do Peixe National Park / ICMBio 📍 Mostardas, Brazil
- 2008 ● **Sampling and Analysis Techniques in Animal Ecology**
Catholic University of Pelotas 📍 Pelotas, Brazil
- 2007 ● **Biodiversity Management and Conservation**
NGO Interação de Trabalhos Ambientais 📍 Caçapava do Sul, Brazil



ACADEMIC ADVISORY

- 2023 ● **Talita Menger Ribeiro**
Dissertation - PhD Degree in Ecology, University of Evora. (Advisor
Doctoral Sandwich Program -CNPq).
📍 Evora, Portugal
- 2022 | 2023 ● **Bibiana Terra Dasoler de Oliveira**
Dissertation - PhD Degree in Ecology, University of Evora. (Co-
advisor Doctoral Sandwich Program -CAPES).
📍 Evora, Portugal
- 2018 ● **Bruna de Castro Knopp**
Thesis - Master's Degree in Animal Biology, Federal University of
Pelotas. (Co-advisor). Relationship Between Wetland Area and
Taxonomic, Functional and Phylogenetic Diversity of Birds in
Southern Brazil.
📍 Pelotas, Brazil
- 2014 ● **Timóteo Matthias Rico**
Monograph - Specialization in Conservation Biology, Catholic
University of Pelotas. Data Mining Applied to Conservation Biology:
A case study on the extinction risk of mammals from Rio Grande do
Sul
📍 Pelotas, Brazil
- 2012 ● **Diogo Maia Gräbin**
Monograph – Bachelor's Degree in Biology, Federal University of Rio
Grande do Sul. Density and Spatial Distribution of Rhea americana in
Different Physiognomies of the Pantanal of Nhecolândia
📍 Porto Alegre, Brazil

ACADEMIC AND CONFERENCE JURY COMMITTEE

- 2024 ● **Olivia Norfolk Poster Prize**
British Ecological Society Annual Meeting  Liverpool, England
- 2023 ● **BES Best Poster Prize**
British Ecological Society Annual Meeting  Belfast, Northern Ireland
- 2023 ● **Wagner de França Alves**
PhD Degree in Ecology, Federal University of Rio Grande do Norte
 Natal, Brazil
- 2022 ● **Helena Streit**
PhD Degree in Ecology, Federal University of Rio Grande of Rio Grande do Sul
 Porto Alegre, Brazil
- 2019 ● **Ronaldo Do Santos Junior**
PhD Degree in Botany, Federal University of Rio Grande of Rio Grande do Sul
 Porto Alegre, Brazil
- 2018 ● **Maycon S. S. Gonçalves**
PhD Degree in Biodiversity and Evolutionary Biology, University of Valencia
 Valencia, Spain
- 2018 ● **Tais F. Guimarães**
PhD Degree in Ecology (Qualifying exam), Federal University of Rio Grande of Rio Grande do Sul
 Porto Alegre, Brazil
- 2018 ● **Mateus M. Pires**
PhD Degree in Biology, Vale dos Sinos University
 São Leopoldo, Brazil
- 2017 ● **Diego Anderson Dalmolin**
PhD Degree in Animal Biology (Qualifying exam), Federal University of Rio Grande of Rio Grande do Sul
 Porto Alegre, Brazil
- 2022 ● **Leonardo Cruz de Souza**
Monograph – Bachelor's Degree in Biology, Federal University of Rio Grande do Norte
 Natal, Brazil
- 2015 ● **Carolina Prauchner**
Monograph – Bachelor's Degree in Biology, Federal University of Rio Grande do Sul
 Natal, Brazil
- 2013 ● **Claudio Ricardo Martins dos Reis**
Monograph – Bachelor's Degree in Biology, Federal University of Rio Grande do Sul
 Natal, Brazil
- 2011 ● **Laura de Andrade Martins**
Monograph – Bachelor's Degree in Biology, Federal University of Santa Catarina
 Florianópolis, Brazil

2011



Clarissa Alves da Rosa

Monograph – Bachelor's Degree in Ecology, Catholic University of Pelotas

📍 Pelotas, Brazil



INVITED TALKS

2024



Coping with Collapse: How Functional Diversity, Evolutionary History, and Their Loss Shape Ecological Network Robustness

University of Lille

📍 Lille, France

2023



Climate change: Re-shuffling Darwin's Tangled Bank

Pedagogical and Technological University of Colombia

📍 Tunja, Colombia

2022



Climate change: Re-shuffling the Tangled Bank

Institute of Geography and Spatial Planning - University of Lisbon

📍 Lisbon, Portugal

2022



Understanding the responses of mutualistic networks to climate change through the lens of evolutionary history

Norwegian Institute for Nature Research

📍 Torgarden, Norway

2020



Ecological networks

Department of Ecology – Federal University of Rio Grande do Sul

📍 Porto Alegre, Brazil

2020



Trait redundancy and the Structure and Stability of Mutualistic Networks: An Evolutionary approach

Emílio Goeldi Museum

📍 Belém do Para, Brazil

2020



Climate Change: Re-shuffling the tangled bank

Department of Biology. Federal Institute Farroupilha

📍 Santa Maria, Brazil

2020



Climate-driven phenological shifts and the future of mutualist networks

Graduate Program in Animal Biology – Federal University of Pelotas

📍 Pelotas, Brazil

2020



Climate-driven phenological shifts and the eco-evolutionary dynamics of mutualistic networks

Department of Animal Biology – Federal University of Rio Grande do Sul

📍 Porto Alegre, Brazil

2018



Trait redundancy and the Structure and Stability of Mutualistic Networks

University of Valencia

📍 Valencia, Spain

2018



Untangling the Tangled Bank: Phylogenetic- and Trait-based approaches in Network ecology

University of Lisbon

📍 Lisbon, Portugal

2018



Untangling the Tangled Bank: Phylogenetic- and Trait-based approaches in Network ecology

Higher Institute of Agronomy

📍 Lisbon, Portugal

- 2017 ● **Merging phylogenetic- and trait-based approaches into Network Ecology**
Swansea University 📍 Swansea, Wales
- 2016 ● **Coextinction and robustness in mutualistic networks: eco-evolutionary dynamics and patterns**
Department of Ecology – Federal University of Rio Grande do Sul 📍 Porto Alegre, Brazil
- 2016 ● **Coextinction and robustness in mutualistic networks: eco-evolutionary dynamics and patterns**
Department of Ecology – University of Vale dos Sinos 📍 São Leopoldo, Brazil
- **Untangling the tangled bank: a novel method for partitioning the effects of phylogenies and traits on ecological networks**
University of São Paulo 📍 São Paulo, Brazil
- 2015 ● **Coextinction and robustness in mutualistic networks**
Department of Animal Biology – Federal University of Rio Grande do Sul 📍 Porto Alegre, Brazil
- 2012 ● **Untangling the tangled bank: evolutionary and ecological components in interaction networks**
I International Seminar of Ecological Research and Education 📍 Pelotas, Brazil
- 2011 ● **Species detectability in mastozoology: Implications and analytical solutions**
Econsciência Institute 📍 Viamão, Brazil
- 2011 ● **Considerations on the use of camera traps in conservation biology**
Federal University of Rio Grande do Sul/ Curicaca Institute 📍 Porto Alegre, Brazil
- 2010 ● **Independent and shared effects of area and habitat driving avian community structure in the São Gonçalo Channel**
Catholic University of Pelotas 📍 Pelotas, Brazil



AWARDS, FELLOWSHIPS AND GRANTS

- 2025
|
2028 ● **German Centre for Integrative Biodiversity Research (iDiv)**
The future of ecological networks under extreme climate change (€26,799.00; Role: Collaborator) 📍 Germany
- 2024 ● **CHANGE – Global Change and Sustainability**
Road networks as disruptors of ecological networks (€3,333.00; Role: Co-pi) 📍 Portugal

2024
|
2026

- **Brazilian National Council for Scientific and Technological Development (CNPq)**
Eco-evolutionary dynamics and their impacts on community structure and ecosystem functioning along river intermittency gradients and anthropogenic impacts (R\$115,000.00; Role: Collaborator)

📍 Brazil

2016

- **Brazilian National Council for Scientific and Technological Development (CNPq)**
Research fellowship (R\$24,000.00)

📍 Brazil

2014

- **International Association for Vegetation Science**
Travel grant (€1,700.00)

📍 Australia

2011
|
2015

- **Coordination for the Improvement of Higher Education Personnel (CAPES)**
Doctoral Scholarship (R\$105,600.00)

📍 Brazil

2009
|
2011

- **Coordination for the Improvement of Higher Education Personnel (CAPES)**
MSc scholarship (R\$36,000.00)

📍 Brazil

2009

- **Helmut Sick Award**
XVII Brazilian Congress of Ornithology

📍 Brazil

2004
|
2005

- **O Boticário Foundation**
Undergraduate scholarship (R\$1,200.00)

📍 Brazil

2004

- **Brazilian National Council for Scientific and Technological Development (CNPq)**
Undergraduate scholarship (R\$1,080.00)

📍 Brazil

🔍 MEMBER OF EDITORIAL BOARD

2023
|
present

- **Functional Ecology**
Associate Editor

REVIEWER

● Journals

- Acta Oecologica
- Agriculture, Ecosystems and Environment
- Annals of the Brazilian Academy of Sciences
- Arthropod-Plant Interactions
- Biological Conservation
- Community Ecology
- Ecography
- Ecology Letters
- Evolutionary Ecology
- Forest Ecology and Management
- Frontiers in Ecology and Evolution
- Functional Ecology
- Iheringia - Série Botânica
- Iheringia – Série Zoologia
- Journal of Animal Ecology
- Journal of Biogeography
- Methods in Ecology and Evolution
- Oikos
- Perspectives in Ecology and Conservation
- Perspectives in Plant Ecology Evolution and Systematics
- Plos Biology
- Proceedings of the National Academy of Sciences
- Scientific Reports
- The Science of Nature

● Books

2020 ● **Ecologia I: Explorando as inter-relações da vida sob a ótica evolutiva.**

In: Ensino de Biologia: uma perspectiva evolutiva - Volume I: Biodiversidade & Evolução.

2020 ● **Ecologia II: Impactos antrópicos e efeitos eco-evolutivos sobre a biodiversidade.**

In: Ensino de Biologia: uma perspectiva evolutiva - Volume II: Biodiversidade & Evolução.

2013 ● **As interações planta - polinizador e a estrutura de comunidades.**

In: Ecologia de Interações Planta-Polinizador.



SCIENCE COMMUNICATION AND OUTREACH

2021 | present ● **Blog Geekcologist – Ecology & Modelling**

Maintainer, Writer

2021 | present ● **R-Bloggers**

Contributor, Writer

2023 ● **Magazine Naturae Digital**

Invited Writer

2022 ● **Transport Ecology**

Invited Writer

2019 ● **Blog Methods In Ecology and Evolution**

Invited Writer

2013
|
2019



Blog Biodiverse Perspectives

Co-founder, Writer and International Communications and Outreach
Chairman



CONFERENCE ORGANIZATION

2023



The Alfred Wallace Seminar Series

📍 Evora, Portugal

2023



Science Festival '23 / School of Science and Technology Day

📍 Evora, Portugal

2016



1st Biennial Meeting of the Brazilian Association of Ecological Science and Conservation / 5th Symposium on Theoretical Ecology

📍 Gramado, Brazil