

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

2026
|
present

● Research Associate

University of Bonn - Bonner Institute for Organismal Biology

📍 Bonn, Germany

2021
|
2024

● Junior Researcher

University of Evora - Mediterranean Institute for Agriculture, Environment and Development


📍 Evora, Portugal




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)

- 2020 ● **Post-doctoral Researcher**
Federal University of Rio Grande do Sul - Road and Railroad Ecology Center
📍 Porto Alegre, Brazil
- 2017 | 2019 ● **Post-doctoral Researcher**
French National Center for Scientific Research - Theoretical and Experimental Ecology Station
📍 Moulis, France
- 2017 ● **Visiting Professor**
Federal University of Rio Grande do Sul - Graduate Program in Botany
📍 Porto Alegre, Brazil
- 2016 ● **Research Fellow**
Federal University of Rio Grande do Sul - Laboratory of Quantitative Ecology
📍 Porto Alegre, Brazil
- 2014 ● **Visiting Professor**
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

Under review

- **Wildlife Road Crossings: A Mechanistic Trait- and Landscape-Based Model**
Ecological Modelling
Dasoler, B, Teixeira, F., Kindel, A., Ascensão, F., & Bastazini, V.A.G.

In press

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

- 2025 ● **Climate change in the Brazilian Cerrado: A looming threat to terrestrial biodiversity**
Wiley Interdisciplinary Reviews: Climate Change 16 (5): e70022
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., & Pereira, M.J.R.
- 2025 ● **The spatial scaling of multiple dimensions of functional diversity in habitat islands**
Functional Ecology 39 (11): 3164-3180
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 39 (9): 2174-2176
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-Piego, 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
 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 ● **Road effects on species interactions**
 In: (eds) D'Amico, M., Barrientos, R., Ascensão, F. *Road ecology: Synthesis and perspectives*. Springer Cham.
 Mestre, F., Quiles, P., Bastazini, V.A.G., Ascensão, F.

- 2026 ● **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, pp. 295–304. ISBNs: (hardcover) 978-3-032-00073-6, (softcover) 978-3-032-00076-7, (eBook) 978-3-032-00074-3
González-del-Piego, P., Bastazini, V.A.G.
- 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 (*Limnodynastes 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

●

Biostatistics using the R programming environment
Dep. Botany - Federal University of Rio Grande do Sul

📍 Porto Alegre, Brazil
- 2014

●

Introduction to Quantitative Ecology
Federal University of Pelotas

📍 Pelotas, Brazil
- 2014

●

Biostatistics
Catholic 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
I International Seminar on Education and Research in Ecology

📍 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. (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

- 2025 ● **Bracing for Collapse: How Functional Diversity and Evolution Shape the Robustness of Ecological Networks**
Federal University of Santa Catarina
📍 Santa Catarina, Brazil
- 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

\$ ACQUIRED THIRD PARTY FUNDING

- 2024 • **CHANGE – Global Change and Sustainability**
Road networks as disruptors of ecological networks (€3,333.00; Role: Co-pi).  Portugal
- 2016 • **Brazilian National Council for Scientific and Technological Development (CNPq)**
PPBio: Southern Grasslands Network. 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)**
Integrating evolutionary and ecological processes in the study of interaction networks. Doctoral Scholarship (R\$105,600.00).  Brazil
- 2009 | 2011 • **Coordination for the Improvement of Higher Education Personnel (CAPES)**
Effects of habitat structure and spatial patterns on mammal diversity in northern Pantanal: a fine-scale approach. MSc scholarship (R\$36,000.00).  Brazil
- 2004 | 2005 • **O Boticário Foundation**
Project: Assessment of fauna affected by roadkill in the Taim Ecological Station and its surroundings. Undergraduate scholarship (R\$1,200.00).  Brazil
- 2004 • **Brazilian National Council for Scientific and Technological Development (CNPq)**
Assessment of the impact of illegal breeding on the conservation of the Water Tiger (*Trachemys dorbigni*) (Testudines – Emydidae). Undergraduate scholarship (R\$1,080.00).  Brazil



AWARDS AND DISTINCTIONS

2009



Helmut Sick Award

XVII Brazilian Congress of Ornithology.

📍 Brazil



MEMBER OF EDITORIAL BOARD

2023

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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
- 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
- 2023,2025 ● **Magazine Naturae Digital**
Invited Writer
- 2022,2025 ● **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