


# 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](mailto:bastazini.vinicius@gmail.com)  
 Nivelles, Belgium  
 +32 474 13 95 53  
 [github.com/bastazini](https://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
- 2017 ● **Visiting Professor Biostatistics**  
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
- 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., Galiana, 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.

- In press • **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  
Garcías, 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
- 2013 ● **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. (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



## GRANTS, FELLOWSHIPS, AND PROJECT INVOLVEMENT

2025  
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2028

- **German Centre for Integrative Biodiversity Research (iDiv)**  
The future of ecological networks under extreme climate change (€26,799.00; Role: Collaborator).  
📍 Germany

2024  
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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

2024

- **CHANGE – Global Change and Sustainability**  
Road networks as disruptors of ecological networks (€3,333.00; Role: Co-pi).  
📍 Portugal

2017-  
2019

- **European Research Council (ERC)**  
FRAGCLIM “The Combined Effects of Climatic Warming and Habitat Fragmentation on Biodiversity, Community Dynamics and Ecosystem Functioning”. (€ 1.998.802,00; Role: Participant).  
📍 France

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  
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2015

- **National Science Foundation (NSF)**  
Dimensions of Biodiversity Distributed Graduate Seminar (U\$1,561,257; Role: Participant).  
📍 USA

2011  
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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  
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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

2008  
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2009

- **Fibria Celulose / Catholic University of Pelotas**  
Monitoring of Avifauna in Eucalyptus Plantation Areas of Votorantim Celulose e Papel, Rio Grande do Sul, Brazil. Research fellowship (R\$14,400.00).

📍 Brazil

2008  
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2009

- **BAESA / Federal University of Rio Grande do Sul**  
Post-flooding monitoring of fauna in the area affected by the Barra Grande Hydroelectric Plant. Research fellowship (R\$14,400.00).

📍 Brazil

2004  
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2005

- **VCP Florestal S.A. / Catholic University of Pelotas**  
Integrated study of ecosystems in areas allocated for eucalyptus planting by VCP – Conservation Flora and Fauna Project, RS. Undergraduate scholarship (R\$1,200.00).

📍 Brazil

2004  
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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  
|  
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