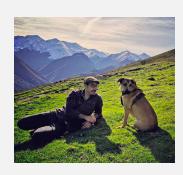
# VINICIUS AUGUSTO GALVÃO BASTAZINI

#### 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 address these kinds of questions by combining aspects of phylogenetics, network and functional ecology, using species traits as a biological building block to understand eco-evolutionary dynamics and their consequences to ecological communities and ecosystems services.



### **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 M.S. 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 BSc 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)

### I PROFESSIONAL EXPERIENCE

2021 | present Researcher

University of Évora

♀Évora, Portugal

2020

Research Fellow

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

Moulis, France

#### CONTACT INFO

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S vinicius.bastazini

github.com/bastazini

Research Gate

**G** Google Scholar

0000-0001-5270-0621

#### **EXPERTISE**

Bigeography
Community Ecology
Evolutionary Ecology
Complex Networks
Conservation Biology

2016		Research Fellow Federal University of Rio Grande do Sul - Lat Ecology	ooratory of Quantitative  ♥ Porto Alegre, Brazil
2013	•	Professor Biostatistcs Catholic University of Pelotas - Specialization Biology	in Conservation
			Pelotas, Brazil
2008   2009		Research Fellow Catholic University of Pelotas	<b>♀</b> Pelotas, Brazil
2008   2009	•	Research Fellow Federal University of Rio Grande do Sul	<b>♥</b> Porto Alegre, Brazil
2006   present	•	Co-founder and Member of the Executive Pró-Pampa Institute	ve Committee
		PUBLICATIONS	

#### PEER-REVIEWED ARTICLES

### In press • The role of evolutionary modes for trait-based cascades in

mutualistic networks
Ecological Modelling: 1-22

**Bastazini, V. A. G.**, Debastiani, V., Cappelatti, L., Guimarães, P., & Pillar, V.P.

#### In press

# Native and alien grassland diversity respond differently to environmental and anthropogenic drivers across spatial scales

Journal of VegetationScience: X-X

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 • 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.

# 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 <i>Ecological Informatics</i> 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 <i>Ecology</i> 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 <i>Environmental Conservation</i> 46 (1): 52-58.  Bastazini, V. A. G., Debastiani, V., Azambuja, B., Guimarães, P., & Pillar, V.
2019	•	NEOTROPICAL XENARTHRANS: a data set of occurrence of xenarthran species in the Neotropics <i>Ecology</i> 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.

#### Environmental predictors of demography in the tuco-tuco of 2018 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. Reptile road-kills in Southern Brazil: Composition, hot 2018 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. Untangling the tangled bank: A novel method for 2017 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. Livestock disturbance in southern Brazilian grasslands 2017 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. Linking beta diversity patterns to protected areas: Lessons 2017 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. Implications of climatic seasonality on activity patterns and 2016 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. Choosing and using traits in functional diversity research 2015 Environmental Conservation 42: 104-107 Lefcheck, J., Bastazini, V. A. G. & Griffin, J. N. Taxonomic and functional diversity of woody plant 2015

communities on opposing slopes of inselbergs in southern

Carlucci, M. B., Bastazini, V. A. G., Hofmann, G. S., Macedo, J.H., lob,

Plant Ecology and Diversity 8: 187-197

G., Duarte, L. D. S., Hartz, S.M. & Müller S.C.

**Brazil** 

# 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.

## 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.** 

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.

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.

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.

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.

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.

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 prep.		Biodiversidade e conservação de ecossis do sul do Brasil USEB	• • Brazil
		Gonçalves, M., Andretti, C., <b>Bastazini, V. A. G.</b> , La	anės, L. E.
In press.	•	Road effects on biotic interactions In: Road Ecology: Synthesis and Perspectives. eds.: D'Amico, M., Barrientos, R., Ascensão, F. Elsevier Science Publishing Co.	
		Mestre, F., Quiles, P., Bastazini, V. A. G., Ascensã	io, F.
2013	•	Fauna da Reserva Particular do Patrimôn Pantanal: uma perspectiva através de arri fotográficas SESC Publishing Co. Hoffman, G. S., Bastazini, V. A. G., Coelho, I. P., G.	nadilhas ♥ Rio de Janeiro, Brazil
	•	PREPRINTS	
2018	•	Habitat fragmentation compromises the population dynamic of the globally near-threatened Straight-billed Reedhaunter (Limnoctites rectirostris).  BioRxiv: 1-18 Gonçalves M. S., Pons, P., Bonow, F., Bastazini, V. A. G., Gil-Delgado, J. & Iborra, G.L.	
	-	TEACHING EXPERIENCE AS A	N INSTRUCTOR
2017		<b>Biostatistic using R</b> Dep. Botany - Federal University of Rio Grande	do Sul <b>♀</b> Porto Alegre, Brazil
2014		Introduction to Quantitative Ecology Federal University of Pelotas	<b>♀</b> Pelotas, Brazil
2011- 2013	•	<b>Theoretical Ecology</b> Federal University of Rio Grande do Sul	<b>♀</b> Porto Alegre, Brazil
2013		Introduction to Quantitative Ecology Zoo-botanic Foundation of Rio Grande do Sul	<b>♀</b> Porto Alegre, Brazil
2013		Introduction to R Pontifical Catholic University of Rio Grande do	Sul <b>♀</b> Porto Alegre, Brazil
2012		Introduction to Quantitative Ecology Federal University of Pelotas	<b>♀</b> Pelotas, Brazil
2011		Quantitative Methods Applied to Ecology Federal University of Rio Grande do Sul	<b>♀</b> Porto Alegre, Brazil
2009	•	Statics Applied to Ecology and Conserva Federal University of Pelotas	tion Biology



2020	•	Climate-driven phenological shifts and the dynamics of mutualistic networks Dep. of Animal Biology – Federal University of Rice	-
2018		Trait redundancy and the Structure and Sta Mutualistic Networks University of Valencia	bility of  ♥ Valencia, Spain
2018	•	Untangling the Tangled Bank: Phylogenetic approaches in Network ecology University of Lisbon	- and Trait-based  • 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  Dep. of Ecology – Federal University of Rio Grande do Sul	
2016	•	Coextinction and robustness in mutualistic networks: eco- evolutionary dynamics and patterns  Dep. of Ecology – University of Vale dos Sinos ♥ São Leopoldo, Brazil	
	•	Untangling the tangled bank: a novel method the effects of phylogenies and traits on eco University of São Paulo	
2015	•	Coextinction and robustness in mutualistic networks  Dep. 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 Mammalogy Studies: Implications and Analytical Solutions  Econsciência Institute  Viamão, Brazil	
2011	•	Considerations on the Use of Camera Traps Biology Federal University of Rio Grande do Sul/ Curicaca	
2010	•	Independent and shared effects of area and avian community structure in the São Gonç Catholic University of Pelotas	habitat driving

	Õ	GRANTS, AWARDS AND FUNDING		
2011			I Staff Improvement  ◆ Porto Alegre, Brazil	
2014	•	International Association for Vegetation Science Travel Grant (€1,700)		
2009   2011	•	Coordination of Superior Leve MSc fellowship (R\$36,000)	I Staff Improvement  ♥ Porto Alegre, Brazil	
2009	•	Helmut Sick Award     XVII Brazilian Congress of Ornithology		
	Q	REVIWER		
	•	Journals		
		<ul> <li>Agriculture, Ecosystems and Environment</li> <li>Annals of the Brazilian Academy of Sciences</li> <li>Arthropod-Plant Interactions</li> <li>Biological Conservation</li> <li>Community Ecology</li> <li>Ecography</li> <li>Ecology Letters</li> <li>Forest Ecology and Management</li> </ul>	<ul> <li>Frontiers in Ecology and Evolution</li> <li>Iheringia - Série Botânica</li> <li>Iheringia - Série Zoologia</li> <li>Journal of Biogeography</li> <li>Methods in Ecology and Evolution</li> <li>Oikos</li> <li>Perspectives in Plant Ecology Evolution and Systematics</li> <li>Scientific Reports</li> <li>The Science of Nature</li> </ul>	
	•	Books		
2020	•	Ecologia I: Explorando as interevolutiva. In: Ensino de Biologia: uma perspe 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.		
		OUTREACH		
2021   present	•	Geekcologist Writer	<b>♀</b> Portugal	

2013 | 2019

### **Biodiverse Perspectives**

Co-founder, Writer and International Communications and Outreach Chairman

