

Guilherme Oyarzabal

Curriculum Vitae

Degrees

- 2017 - 2022** PhD in Animal Biology.
Universidade Federal do Rio Grande do Sul, UFRGS, Porto Alegre, Brasil.
Aranhas Sob Impacto de Pastejo: Uma abordagem de multiescalas.
Supervisor: Murilo Guimarães Rodrigues
- 2015 - 2017** Masters' degree in Animal Biology.
Universidade Federal do Rio Grande do Sul, UFRGS, Porto Alegre, Brasil
Análise comparativa da fauna de aranhas de solo em áreas de campo com e sem pastejo no Pampa gaúcho.
Supervisor: Ricardo Ott.
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Professional experience

1. Fundação Zoobotânica do Rio Grande do Sul – FZB, Brazil

2012 - 2017 Researcher. Laboratory management.

2. Universidade Federal do Rio Grande do Sul – UFRGS, Brazil

2015 - 2022 Graduate student researcher. Laboratory management.

3. Organização Não Governamental de Educação Popular – ONGEP, Brazil

2020 - Current Biology teacher.

4. University of Nebraska/Lincoln – UNL, USA

2021 - 2022 Post-Doc affiliate researcher

5. Aliança América, Brazil

2022 - Current English teacher.

6. Universidade dos Açores, Portugal

2022 - Current Post-Doc affiliate researcher

Post-Doc

- 2022 - 2022** University of Nebraska/Lincoln, UNL, USA
- 2022 - Current** Universidade dos Açores, UAçores, Portugal
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Research lines

1. Spider diversity; Arachnology.
2. Ecology; Population ecology.
3. Arthropods conservation.

Projects

2012 – 2017

Analysis of the spider fauna in grasslands with and without grazing in the Pampa biome.
Description: The Pampa is a savanna-like biome, exclusively of Neotropical region, lying in southern part of South America, covering Argentina, Uruguay and Brazil. The increase of disturbance at Pampa began around 300 years after European colonization and the advent of agriculture, silviculture, uncontrolled fire management and creation of dairy and beef cattle. With studies more focused in forage properties and beef production than diversity maintenance, the Pampa conservation has been historically neglected. Monitoring different livestock methodologies are necessary to improve knowledge of how the diversity of plants and animals change during this impact.

Situation: Complete

Participants: Guilherme Oyarzabal da Silva & Ricardo Ott.

Institutions: Fundação Zoobotânica do Rio Grande do Sul; Universidade Federal do Rio Grande do Sul;

2017 – 2022

Grazing effect on orb-weaver spiders: A multiscale approach

Description: Anthropogenic activities have been the cause of changes in the landscape and loss of biodiversity in all ecosystems on the planet. In order to better understand the effects of grazing on the araneofauna, we opted for a multiscale investigation, with a meta-analysis investigating grassland ecosystems in the world and a local study, involving individuals, populations, communities and spider guilds.

Situation: Complete

Participants: Guilherme Oyarzabal da Silva & Murilo Guimarães.

Institutions: Universidade Federal do Rio Grande do Sul; Neotropical Grassland Conservancy.

2021 - Current

Unveiling secrets: What plants tell spiders about grassland disturbances?

Description: Evaluate the reaction and decision-making capacity of spiders in relation to mowing and grazing activity

Situation: Current

Participants: Guilherme Oyarzabal da Silva & Eileen Hebets.

Institutions: Fulbright Brazil DDRA Program; Universidade Federal do Rio Grande do Sul; University of Nebraska – Lincoln.

2022 - Current

Trait-based prediction of extinction risk and invasiveness for Northern Macaronesian arthropods – MACRISK.

Description: Compile and standardize databases on abundance, distribution, functional traits and conservations status of arthropods in two Macaronesian archipelagoes: Azores and Madeira.

Situation: Current

Participants: Guilherme Oyarzabal da Silva, Paulo Borges, Rosalina Gabriel, Ana Santos, Rigal François, Isabel Rosário, Jagoba Malumbres-Olarte, Mario Boeiro & Pedro Cardoso.

Institutions: Fundação Gaspar Frutuoso; Centro de Investigación en Biodiversidad y Cambio Global; Finnish Museum of Natural History; Universidade dos Açores; Université de Pau et des Pays de l'Adour; Centro de Ecologia, Evolução e Alterações Ambientais

Journal reviewer

1. **P B International**

2022 - 2022

2. **Journal of Pharmaceutical Research International**

2022 - 2022

3. **Asian Journal of Research in Dermatological Science**

2020 - 2022

4. **Journal of Experimental Agriculture International**

2020 - 2020

5. **Uttar Pradesh Journal of Zoology**

2018 - 2020

Awards

2022 Doctoral Dissertation Research Abroad Program (DDRA), Fulbright Brazil

2019 Scientific highlight, Andressa Schütz Gigante. Sessão de Ecologia/Zoologia de Invertebrados I, XV Jornada de Iniciação Científica: "O pastejo define a ocorrência de gravatá e aranha-tecedora-do-falso-gravatá", Museu de Ciências Naturais e Jardim Botânico de Porto Alegre

2018 Student Grant, Neotropical Grassland Conservancy

Production

1. **OYARZABAL, GUILHERME**; GUIMARÃES, MURILO

Friend and foe? The effects of grassland management on global patterns of spider diversity. *ECOLOGICAL ENTOMOLOG*, v.46, p.1-10, 2021.

2. **SILVA, GUILHERME O. DA**; OTT, RICARDO

Short-term spider community monitoring after cattle removal in grazed grassland. *IHERINGIA SERIE ZOOLOGIA*, v.107, p.1 - 8, 2017

Events abstracts

1. **OYARZABAL, G.**; Guimarães, M.

Friend and Foe? Ecosystem management and functional diversity of spiders, **2021 Virtual Meeting of the American Arachnological Society**, 2021.

2. **OYARZABAL, G.**; Guimarães, M.

Foto-identificação e reconhecimento individual através de padrões abdominais em *Argiope argentata* (Fabricius, 1775), **VI Congresso Latino-Americano de Aracnologia**, 2020.

3. Gigante, A. S.; **SILVA, G. O.**; Guimarães, M.

O pastejo define a ocorrência de gravatá (Apiales, Apiaceae, *Eryngium horridum* (Malme, 1904) e aranha-tecedora-do-falsogratá (Araneae, Araneidae, *Alpaida quadrilora* (Simon, 1897)), **XV Jornada de Iniciação Científica - Meio Ambiente**, 2019.

Social media and science communication

1. ALMEIDA, L. R.; OYARZABAL, G.
Clube da Lontra - Divulgação Científica, **Twitter and Instagram**. 2020.

Supervision

Undergrad

1. Andressa Schütz Gigante. Gravatá (Apiales, Apiaceae, *Eryngium horridum* Malme, 1904) e *Alpaida quadrilora* (Simon, 1897) (Araneidae, Araneae): Uma relação definida pelo pastejo?., 2018, **Universidade Federal do Rio Grande do Sul**.

Committees

Master's degree qualification

1. CARVALHO, L. S.; CUNHA, E. J. R.; FERREIRA, R. S.; **OYARZABAL, G.**
Participação em banca de Guilherme Santana Lustosa. Influência da estrutura do hábitat sobre a fauna de aranhas em zona ripária de riachos, 2022, **Universidade Federal do Piauí**.

Undergrad commissions

1. Salão UFRGS 2019: XXXI SIC UFRGS, Sessão Biologia de Invertebrados, 2019, **Universidade Federal do Rio Grande do Sul**.
2. Salão UFRGS 2018: XIII Salão UFRGS Jovem, 2018, **Universidade Federal do Rio Grande do Sul**.