

# LARISSA SAYURI MOREIRA SUGAI

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## CONTACT INFORMATION

Departamento de Ecología  
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## RESEARCH INTERESTS

- *Social and species interactions mediated by acoustic communication*
- *Community ecology and assembly in tropical ecosystems*
- *Bioacoustics/Ecoacoustics*

## APPOINTMENT Universidad Autónoma de Madrid

2020-2021 Postdoctoral Research Fellow, Departamento de Ecología

## EDUCATION Universidade Estadual Paulista – Unesp, Rio Claro/SP

2019 Ph.D., Ecology  
Programa de Pós-graduação em Ecologia e Biodiversidade

## Universidade Federal de Mato Grosso do Sul – UFMS, Campo Grande/MS

2014 M.S., Ecology  
Programa de Pós-graduação em Ecologia e Conservação

2010 B.A., Biological Sciences

## PEER-REVIEWED PUBLICATIONS

- 2021 Revisiting the drivers of acoustic similarities in tropical anuran assemblages. **LSM Sugai**, D Llusia, T Siqueira, TSF Silva. *Ecology*. *In press*.
- 2021 Drivers of assemblage-wide calling activity in tropical anurans and the role of temporal resolution. **LSM Sugai**, TSF Silva, D Llusia, T Siqueira. *Journal of Animal Ecology* 90:673-684
- 2020 Climatic breadth of calling behaviour in widespread tropical anurans: insights from hydric extremes. B Anäis, C Elodie, S Jerome, **LSM Sugai**, D Llusia. *Global Change Biology* 26:5431-5446
- 2020 Spatial heterogeneity and habitat configuration overcome habitat composition influences on alpha and beta mammal diversity. AL Regolin, MC Ribeiro, F Martello, GL Melo, J Sponchiado, LFC Campanha, **LSM Sugai**, TSF Silva. *Biotropica* 52:969-980
- 2020 Pandemics and the need for automated systems for biodiversity monitoring. **LSM Sugai**. *Journal of Wildlife Management* 84:1424-1426
- 2020 A roadmap for survey designs in terrestrial acoustic monitoring. **LSM Sugai**, C Desjonquères, TSF Silva, D Llusia. *Remote Sensing in Ecology and Conservation* 6:220-235
- 2019 Satellite image texture for the assessment of tropical anuran communities. **LSM Sugai**, JMM Sugai, VL Ferreira, TSF Silva. *Biotropica* 51:581-590

- 2019 Bioacoustic time capsules: Using acoustic monitoring to document biodiversity. **LSM Sugai**, D Llusia. *Ecological Indicators* 99:149-152
- 2019 Terrestrial Passive Acoustic Monitoring: Review and Perspectives. **LSM Sugai**, TSF Silva, JW Ribeiro Jr, D Llusia. *BioScience* 69:15-25
- 2019 Sustainability Agenda for the Pantanal Wetland: Perspectives on a Collaborative Interface for Science, Policy, and Decision-Making. WM Tomas, FO Roque, ... **LSM Sugai**, ... WJ Junk. *Tropical Conservation Science* doi: 10.1177/1940082919872634
- 2018 Phylogenetic structure of communities between temperate and tropical regions: Exploring patterns through literature datasets. CA Martins, M Silveira, VS Saito, R Costa-Pereira, **LSM Sugai**, O Pays, FO Roque. *Acta Oecologica* 91:30-34
- 2017 Passive acoustic monitoring as a complementary strategy to assess biodiversity in the Brazilian Amazonia. JW Ribeiro, **LSM Sugai**, M Campos-Cerqueira. *Biodiversity and Conservation* 26:2999-3002.
- 2017 *Scinax nasicus* (Lesser Snouted Treefrog). Predation by *Trachycephalus typhonius*. **LSM Sugai**, G Nakamura, JLMM Sugai, TSF Silva. *Herpetological Review* 48:613-614.
- 2016 Incorporating resilience and cost in ecological restoration strategies at landscape scale. M Stefanec, JM Ochoa-Quintero, FO Roque, **LSM Sugai**, LR Tambosi, R Lourival, S Laurance. *Ecology and Society* 21:54.
- 2016 Upland habitat loss as a threat to Pantanal wetlands. FO Roque, J Ochoa-Quintero, DB Ribeiro, **LSM Sugai**, R Costa-Pereira, R Lourival, G Bino. *Conservation Biology* 30:1131-1134.
- 2015 Beyond aboveground. **LSM Sugai**, JM Ochoa-Quintero, R Costa-Pereira, FO Roque. *Biodiversity and Conservation* 24:2109-2112
- 2014 Predation on *Physalaemus centralis* by *Leptodactylus chaquensis*. R Costa-Pereira, JLM Sugai, S Duleba, **LSM Sugai**, J Terra, FL de Souza. *Herpetology Notes* 8:345-346.

#### BOOKS

- 2017 FO Roque, S Torrecilha, J Ochoa-Quintero, F Valente-Neto, **LSM Sugai**, R Costa-Pereira, P Medina-Junior, G Fernandes, J Onofre, N Kaminski, J Sabino, R Lourival. Capital Natural de Mato Grosso do Sul. 1. ed. Bonito (MS): Fundação Neotrópica do Brasil. 60p.

#### TECHNICAL SKILLS

**Language:** Portuguese (mother tongue), English (fluent), Spanish (intermediate).  
**Coding:** R and Python

**FUNDING  
AWARDS**

**Research grant**

- 2019 – Coordenação de Aperfeiçoamento de Pessoal de Nível Superior PROAP (817737/2015) (R\$ 1,000)
- 2018-2019 – Fundação de Amparo à Pesquisa do Estado de São Paulo, FAPESP (\$26,218.2)
- 2016-2019 – Fundação de Amparo à Pesquisa do Estado de São Paulo, FAPESP (R\$30,925.8)
- 2016 – Rufford Foundation Small Grant (£4,975)
- 2016 – Coordenação de Aperfeiçoamento de Pessoal de Nível Superior PROAP (817737/2015) (R\$ 2,655)
- 2016 – Coordenação de Aperfeiçoamento de Pessoal de Nível Superior Procad 071/2013 (R\$ 1,100)

**Scholarships**

- 2020-2021 – Ministerio de Economía, Industria y Competitividad (Gobierno de España / Fondo Social Europeo)
- 2016-2019 – Fundação de Amparo à Pesquisa do Estado de São Paulo, FAPESP
- 2015-2016 – Coordenação de Aperfeiçoamento de Pessoal de Nível Superior, CAPES
- 2012-2014 – Conselho Nacional de Desenvolvimento Científico e Tecnológico, CNPq
- 2010 – Programa Institucional de Bolsas de Iniciação Científica – PIBIC/CNPq/UFMS
- 2008-2009 – Programa Institucional de Bolsas de Iniciação Científica – PIBIC/CNPq/UFMS

**TEACHING  
EXPERIENCE**

**Instructor**

- 2017 – Biogeography, Universidade Estadual Paulista Júlio de Mesquita Filho
- 2014 – Landscape Ecology, Universidade Federal de Mato Grosso do Sul, Brazil
- 2009 – Genetics, Universidade Federal de Mato Grosso do Sul, Brazil

**SEMINARS  
AND  
WORKSHOPS**

- 2021 – On-line seminar, Projeto Bromeligenous: *“Bases do Monitoramento Acústico da Biodiversidade: Planejamento e Análises”*
- 2020 – II workshop INCT/EECBio “Monitoramento acústico automatizado em larga escala de anfíbios anuros”
- 2019 – I workshop INCT/EECBio “Monitoramento acústico automatizado em larga escala de anfíbios anuros”
- 2019 – Universidad Autónoma de Madrid, *“Biodiversity remote sensing: from satellite images to acoustics for the assessment of tropical assemblages”*

2014 – II workshop Project "Estudos de Biodiversidade do Zoneamento Ecológico Econômico do Mato Grosso do Sul" (Campo Grande, Brazil)

2014 – I workshop Project "Estudos de Biodiversidade do Zoneamento Ecológico Econômico do Mato Grosso do Sul" (Campo Grande, Brazil)

**CONFERENCE PRESENTATIONS**

2019 – 1st Meeting of the Iberian Ecological Society & XIV AEET Meeting. *"Are community-wide signaling patterns driven by acoustic interactions?"*

2019 – IX Congresso Brasileiro de Herpetologia. *"O Monitoramento Acústico Passivo como ferramenta para estudos com anuros"*

2014 – 5° Simpósio de Geotecnologias no Pantanal-Geopantanal. *"Incorporating biodiversity expert knowledge in landscape conservation planning: a case study involving the Pantanal"*

**COMMISSIONS OF TRUST**

**Referee for scientific journals**

Methods in Ecology and Evolution (1)  
Conservation Biology (1)  
Biotropica (1)  
Remote Sensing in Ecology and Conservation (2)

Plos One (3)  
Ecological Informatics (1)  
PeerJ (1)  
Zootaxa (1)  
Biota Colombiana (1)  
Environmental Monitoring and Assessment (1)

Journal of Ecoacoustics (1)  
Herpetological Conservation and Biology (1)  
Ardea (1)

**Scientific evaluation**

German Federal Ministry of Education and Research

**Thesis committee**

2020 – Master Thesis Committee of Isabella Rodrigues de Melo, Ecology and Evolution, Universidade federal de Goiás

**Bachelor dissertation**

2016 – Bruna Pereira de Azevedo. B.A. degree in Biological Sciences, Universidade de São Paulo)

2016 – Cezar Gonçalves Inácio. (B.A. degree in Ecology, Universidade Estadual Paulista Júlio de Mesquita Filho)