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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

- I Alcozer, H Lima, **LSM Sugai**, D Llusia. Acoustic indices as proxies for biodiversity: a meta-analysis. In review at Biological Reviews.
- V Tonetti, M Scarpelli, Pena J, **LSM Sugai**, F Barros, P Anunciação, P Santos, A Tavares, MC Ribeiro. Landscape heterogeneity: Concepts, quantification, challenges, and future perspectives. In review at Ecography.
- P Anunciação, **LSM Sugai**, F Martello, LMT Carvalho, MC Ribeiro. In search of cost-effective passive acoustic monitoring: using sampling sufficiency to estimate tropical anuran diversity. In review at Perspectives in Ecology and Conservation.
- 2021 **LSM Sugai**, D Llusia, T Siqueira, TSF Silva. Revisiting the drivers of acoustic similarities in tropical anuran assemblages. *Ecology*, doi: 10.1002/ecy.3380.
- 2021 **LSM Sugai**, TSF Silva, D Llusia, T Siqueira. Drivers of assemblage-wide calling activity in tropical anurans and the role of temporal resolution. *Journal of Animal Ecology* 90:673-684.
- 2020 B Anäis, C Elodie, S Jerome, **LSM Sugai**, D Llusia. Climatic breadth of calling behaviour in widespread tropical anurans: insights from hydric extremes. *Global Change Biology* 26:5431-5446.
- 2020 AL Regolin, MC Ribeiro, F Martello, GL Melo, J Sponchiado, LFC Campanha, **LSM Sugai**, TSF Silva. Spatial heterogeneity and habitat configuration overcome habitat composition influences on alpha and beta mammal diversity. *Biotropica* 52:969-980.
- 2020 **LSM Sugai**. Pandemics and the need for automated systems for biodiversity monitoring. *Journal of Wildlife Management* 84:1424-1426.
- 2020 **LSM Sugai**, C Desjonquères, TSF Silva, D Llusia. A roadmap for survey designs in terrestrial acoustic monitoring. *Remote Sensing in Ecology and Conservation* 6:220-235.
- 2019 **LSM Sugai**, JLMM Sugai, VL Ferreira, TSF Silva. Satellite image texture for the assessment of tropical anuran communities. *Biotropica* 51:581-590.
- 2019 **LSM Sugai**, D Llusia. Bioacoustic time capsules: Using acoustic monitoring to document biodiversity. *Ecological Indicators* 99:149-152.
- 2019 **LSM Sugai**, TSF Silva, JW Ribeiro Jr, D Llusia. Terrestrial Passive Acoustic Monitoring: Review and Perspectives. *BioScience* 69:15-25.

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

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 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

- 2021 – ISE Ecoacoustics Congress 2021. *"The rise and fall of biophony and the drivers of the acoustic space"*.
- 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 – 5º 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 (2), PeerJ (2), Zootaxa (1), Bioacoustics (1), Ardea (1), Biota Colombiana (1), Environmental Monitoring and Assessment (1), Journal of Ecoacoustics (1), Herpetological Conservation and Biology (1), Frontiers in Ecology and Conservation (1), Wildlife Research (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).