

Juliane Gaviraghi Mussoi - PhD Candidate

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Summary

- **Ph.D. candidate** in Biology from the University of Auckland (New Zealand).
- **Master of Science** - Biology - Animal Ecology from Lund University (Sweden).
- Experience in avian **cognition, behaviour** and **vision**.
- More than ten years of **teaching** experience in several areas.
- Experience with **handling, banding** and **husbandry** of wild and captive birds.

Education

Ph.D. candidate. University of Auckland - New Zealand (2019 – present)
Thesis: The effects of sleep on avian vocal performance.

Master's in biology - Animal Ecology. Lund University – Sweden (2016 – 2018)
Thesis: Mirror-mediated spatial location in great tits (*Parus major*).

Bachelor in Biological Sciences. Universidade de Caxias do Sul – Brazil (2011 – 2016)
Thesis: Behavioral analysis of Southern lapwing, *Vanellus chilensis*, with human presence.

Exchange - General Biology. Thompson Rivers University – Canada (2012 – 2013)
Exchange Program through the Brazilian government scholarship Science Without Borders

Publications

Gaviraghi Mussoi, J., Stanley, M. C., & Cain, K. E. (2022). Importance of sleep for avian vocal communication. *Biology Letters*, 18(8) 10.1098/rsbl.2022.0223

Johnsson, R. D., Connelly, F., **Gaviraghi Mussoi, J.**, Vyssotski, A. L., Cain, K. E., Roth, T. C., & Lesku, J. A. (2022). Sleep loss impairs cognitive performance and alters song output in Australian magpies. *Sci Rep*, 12(1) 10.1038/s41598-022-10162-7

Chaib, S., **Mussoi, J. G.**, Lind, O., & Kelber, A. (2021). Visual acuity of budgerigars for moving targets. *Biol Open*, 10(9) 10.1242/bio.058796

Research

University of Auckland - Mar/2019 - present
Ph.D. project
Project: The effects of **sleep** on avian **vocal performance**.
Advisor: Kristal Cain, Margaret Stanley

University of Auckland - Mar/2019 – Mar/2020
Ph.D. project
Project: **Visual** and **auditory ornaments** in New Zealand Fantails (*Rhipidura fuliginosa*)
Advisor: Kristal Cain, Margaret Stanley

Lund University - Jun/2018 - Aug/2018
Internship
Project: **Detection** of moving targets in **budgerigars** (*Melopsittacus undulatus*)
Advisor: Almut Kelber

Lund University - Aug/2017 – Jun/2018

Master Thesis

Projects: Mirror-mediated **spatial location** in great tits (*Parus major*)

Advisor: Anders Brodin

Lund University - Nov/2016 – Jul/2017

Internship

Projects: **Problem solving** in urban and rural great tits (*Parus major*)

Self-control with experienced great tits (*Parus major*)

Advisor: Anders Brodin

Universidade de Caxias do Sul - May/2015 – Apr/2016

Bachelor's Thesis

Project: **Behavioural analysis** of Southern Lapwing (*Vanellus chilensis*) with **human** presence

Advisor: Renata de Boni Dal Corno

Thompson Rivers University - May/2013 – Aug/2013

Field Technician

Project: Associations of **parental care** and quality on offspring **plumage** colouration in mountain bluebirds (*Sialia currucoides*)

Advisor: Matthew Reudink

Universidade de Caxias do Sul - Mar/2011 – Aug/2012

Laboratory Internship

Project: **Cellulase, xylanase** and **pectinase production** from *Penicillium echinulatum*, *Aspergillus ozyae* e *Trichoderma reesei* fungi in solid and liquid cultivation.

Advisor: Marli Camassola, Aldo José Pinheiro Dillon

Teaching experience

Tools to make engaging research posters - 2021

Online Workshop - [Youtube Link](#)

Australasian Society of the Study of Animal Behaviour - 2021

Biology of Terrestrial Animals (BIOSCI 338) – 2021 - 2022

Teaching Assistant

The University of Auckland, New Zealand

Animal Behaviour (BIOSCI 337) – 2019 - 2022

Teaching Assistant

The University of Auckland, New Zealand

Animal Form and Function (BIOSCI 207) – 2019, 2021

Teaching Assistant

The University of Auckland, New Zealand

Skype a Scientist Program - Mar/2019 – Dec/2019

English as Second Language - Sep/2018 - Feb/2019

English Teacher

Talkers Idiomas, Brazil

Animal Behaviour - Apr/2018

Demonstrator

Lund University, Sweden

English as Second Language - Aug/2015 – Jul/2016

English Teacher

SKILL Idiomas, Brazil

English as Second Language - Sep/2013 – Jul/2014
English Teacher
Instituto de Idiomas Yázigi, Brazil

Computer to Older Adults - Sep/2013 - Dec/2013
Teacher
Community Volunteering, Brazil

Community Teacher - Mar/2007 - Jul/2012
Community Volunteering, Brazil

Scholarships and Prizes

ISBE Travel Award (2022)

Runner-up - Best Student Poster NZES Conference (2021)

Best poster - SBS Showcase (2021)

AOC 2022 Student Grant (2021)

CBB publication stipend (2021)

ASSAB Student Research Grant (2020)

3rd place - FoS PG Research Showcase (2019)

University of Auckland Doctoral Scholarship (UoADS) (2019 - 2022)

Science without Borders Scholarship (2012 - 2013)

Courses and Training

Bioacoustic Analysis in R (2021) - Organization for Tropical Studies (OTS)

Wild Bird Rescue and Rehabilitation (2021) - Learn Bird Care and New Zealand Bird Rescue

Strategic communication for environmental causes (2021) - Universidade de Caxias do Sul (UCS)

Outdoor First Aid (2019) - First Training

Event Presentations

ASSAB Conference 2022 (Talk + Organization) - 2022
Virtual Meeting

International Society for Behavioral Ecology Congress 2022 (Talk) - 2022
Stockholm - Sweden

Australasian Ornithological Society Conference (Talk) – 2022
Virtual Meeting

New Zealand Ecological Society Conference (Poster) - 2020
Virtual Meeting

School of Biological Sciences Showcase - UoA (Poster) – 2021
Virtual Meeting

ASSAB Conference 2020 (Talk + Organization) - 2020
Virtual Meeting

25th Congress of the European Sleep Research Society (Poster) - 2020
Virtual Meeting

57th Annual Conference of the Animal Behavior Society (Talk) – 2020
Virtual Meeting

Exposure Postgraduate Research Exposition - 2019
Auckland, New Zealand

Faculty of Science 2019 Postgraduate Poster Competition - 2019
Auckland, New Zealand

ASSAB Conference 2019 (Poster presentation) - 2019
Waiheke, New Zealand

35th International Ethological Conference (Poster presentation) - 2017

Estoril, Portugal

Biologists in Lund Annual Meeting (Poster presentation) - 2017

Lund, Sweden

Swedish OIKOS Meeting (Symposia presentation) - 2017

Lund, Sweden

Meeting of Young Researchers (Poster presentation) - 2011

Caxias do Sul, Brazil

Professional Services

Workshop coordinator - 04/2021 – Present

Australasian Society of the Study of Animal Behaviour – ASSAB

Blood coordinator - 06/2019 – Present

School of Biological Sciences

Outreach officer and board member - 07/2019 - present

Australasian Society of the Study of Animal Behaviour - ASSAB

Manuscript reviewing

Evolutionary Ecology – 2020

Behavioural Processes – 2019

Outreach officer and board member - 2017 - 2018

Projekt6 (NGO)

Professional Societies

Australasian Society of the Study of Animal Behaviour

Member (04/2019 - present)

Birds New Zealand

Member (04/2019 - present)

International Society for Behavioural Ecology

Member (02/2020 - present)

Relevant Certifications

Banding Level 1 - New Zealand (2019)

Bird Handling - Sweden (2016)

Animal Handling - Canada (2013)

Laboratory Animal Handling - Brazil (2012)

Volunteering

Board Member and Head of Project and Internal Engagement at NGO Projekt6 - 2018

Outreach Officer at NGO Projekt6 - 2017

Organization Volunteer for Swedish OIKOS Meeting - 2017

Vice-Secretary of Biology Student Union (UCS) - 2015

Computer to Older Adults Teacher - 2013

Community School Teacher - 2007 - 2012

Organization Volunteer for Simpósio Nacional de Bioprocessos - 2011

Languages

Portuguese (Native)

English (Proficient)

Spanish (Basic)

Italian (Basic)