

ARUNIMA JAIN

MASTER OF SCIENCE, MAJOR IN BIOLOGY

I am passionate about pursuing research as a career in the intersecting fields of Animal Behaviour, Ecology and Evolution. I am particularly fascinated by birds as model organisms to study behaviour and have recently developed an interest specifically in Social Behaviour. However, I am always looking to explore other fields in behavioural ecology as well.

SKILLS

- Observing and following birds in the field to collect behavioural data.
- Some mist-netting, insect trapping and collection experience.
- Basic Python and R programming.
- Basic use of Raven Pro software for audio analysis.

EDUCATION

INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH (IISER) MOHALI, INDIA

BS-MS Dual Degree | 2018 - 2023
Major in Biology

KENDRIYA VIDYALAYA IITM, CHENNAI, INDIA

Senior Secondary Graduate | 2016 - 2018
Stream - Science with Biology and Mathematics

EXPERIENCE

PROJECT STUDENT

Shola Sky Islands Bird Lab, IISER Tirupati | 2023 - Present
Mentor: Dr. V.V. Robin

MASTER'S THESIS PROJECT

Behavioural Ecology Lab, IISER Mohali | 2022 - 2023
Mentor: Dr. Manjari Jain

- Studying allogrooming behaviour in Jungle Babblers (*Argya striata*), its patterns and possible functions.
- Assisting in various other projects including; soundscape analysis, movement tracking of wild Jungle Babbler groups, insect trapping and collection for diet analysis.

SUMMER RESEARCH INTERN

Shola Sky Islands Bird Lab, IISER Tirupati | 2021
Mentor: Dr. V.V. Robin

- Studied nesting behaviour in bird species White-bellied Sholakili (*Sholicola albiventris*).
- Conducted preliminary analysis of kinds of vocalisations produced by males during nesting using Raven Pro.

APP DEVELOPMENT PROJECT

Behavioural Ecology Lab, IISER Mohali | 2019 - 2023

Leader: Dr. Manjari Jain

Part of a team developing an app to collect data on bird species found on campus (IISER Mohali) through citizen science and create a database available for public use.

SUMMER RESEARCH INTERN

Evolutionary Genetics Lab, IISER Mohali | 2019

Mentor: Dr. Rhitoban Ray Choudhury

Designed and set up laboratory experiments studying the symbiotic relationship between termites (*Odontotermes obesus*) and fungi *Termitomyces*.

Some relevant courses taken - Introduction to Computers (Python), Genetics and Evolution, Behaviour and Ecology, Animal Physiology, Advanced Biostatistics, Advanced Developmental Biology, Animal Behaviour, Advanced Evolutionary Biology, Cell Biology Lab, Gene Expression Lab, Evolutionary Genetics Lab, Ecology and Behaviour Lab, Remote Sensing and GIS.

AWARDS & ACHIEVEMENTS

- DST-INSPIRE Scholarship for BS-MS.
- National Science (Vijyoshi) Camp - KVPY, 2018.
- Research Science Initiative (RSI) Camp, Chennai, 2017.
- Fit 2 in German - Goethe Insitut, Chennai

CONTACT

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