



Archita Sharma

PhD Student

Contact



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RESEARCH INTERESTS

*Historical Biogeography,
Molecular Phylogenetics,
Systematics and Taxonomy,
Ornithology*

EDUCATION

*Fellowship -
UGC-JRF NET qualified in
December 2019
GATE Ecology and
Evolution qualified in 2018*

PROFESSIONAL ENHANCEMENT

*Courses / Workshops /
Seminars*

2021 ONWARDS

PHD, IISER TIRUPATI

Supervisor: Dr. V.V. Robin

Working Proposal - Understanding the evolution of endemic avifauna and the potential for cryptic speciation in Peninsular India

2016 - 2018

MSC ENVIRONMENTAL STUDIES, UNIVERSITY OF DELHI

Supervisor: Prof. S.D. Biju

Dissertation - An Overview of Duttaphrynus toads (Bufonidae) of Peninsular India - Insights on Diversity, Distribution, and Conservation

2013 - 2016

BSC ZOOLOGY, HANSRAJ COLLEGE, UNIVERSITY OF DELHI

Relevant Courses - Ecology - Diversity and Distribution of Chordata and Non-Chordata - Comparative Anatomy of Vertebrata - Animal Behavior - Evolution and Genetics

2023

WORKING AT NIGHT WITH MAMMALS WORKSHOP

In-person, ATBC Conference, Coimbatore

2021

ECOLOGICAL MODELING IN R COURSE

Online, Center for Wildlife Studies, USA

2021

WRITING ABOUT CONSERVATION COURSE

Online, NCF India

2020

OCCUPANCY MODELING WORKSHOP

In-person at Kuno-Kailadevi-Ranthambore corridor, WWF India

2019

BIOACOUSTICS TRAINING WORKSHOP

In-person, Wildlife Acoustics, IISER Tirupati

CONFERENCE PARTICIPATION

Poster Presentations
[Research Gate Profile](#)
<https://bit.ly/44hwOso>

RESEARCH WORK EXPERIENCE

Internship

Others:
Volunteer, CII-IBBI
Business Biodiversity
Initiative, Delhi

Volunteer, Jungle cat
genetic connectivity study,
Mandhya Pradesh

2023

POSTER

Archita Sharma, Naman Goyal, KL Vinay, VV Robin. (2023, July 3). Uncovering hidden diversity and speciation in Indian Blackbird complex using phylogenomics. Association for Tropical Biology and Conservation (ATBC 2023). Coimbatore, India.

2022

POSTER

Archita Sharma, Naman Goyal, KL Vinay, VV Robin. (2022, November 9-11). Phylogenetic position of three endemic birds of Peninsular India - Crimson-backed Sunbird, Malabar Whistling-thrush, and Nilgiri Thrush. National Symposium for Avian Biology (NSAB 2022). Gaya, India. DOI: [10.13140/RG.2.2.13719.85921](https://doi.org/10.13140/RG.2.2.13719.85921)

2021

POSTER

Archita Sharma, Naman Goyal, Ashwin Warudhkar, KL Vinay, VV Robin. (2021, March 30-31). Origin and Diversification of endemic Avifauna in Western Ghats: A phylogenetic synthesis using literature review. National Symposium for Avian Biology (NSAB 2021). Haridwar, India. DOI: [10.13140/RG.2.2.35418.72646](https://doi.org/10.13140/RG.2.2.35418.72646)

2020

POSTER

Archita Sharma, Prachi Thatte, Pranav Chanchani. (2020, November 9-11). Wildlife Corridors in India: Current Knowledge and Research Gaps. SCCS 2020. Bengaluru, India.

2020 - 2021

INTERN, SHOLA SKY ISLANDS, IISER TIRUPATI

Fieldwork and Bioinformatics (10 months)

- Setting up mist nets to target capture passerines in Kodaikanal Wildlife Sanctuary and Anamalai Tiger Reserve
- Learned essential skillset for bird banding, safe handling, recording morpho measurements, and blood sample collecting

2019 - 2020

INTERN, WWF INDIA, DELHI OFFICE

Systematic review and Fieldwork (6 months)

- Reviewing published literature on wildlife corridors in India and mapping published corridors
- Sign survey (two weeks) of carnivores in Ranthambore-Kuno Wildlife Corridor

2019 - 2020

FIELD ASSISTANT, NCBS, BANGALORE

Systematic review and Fieldwork (2 months)

- Managing fieldwork, logistics and finances for sloth bear connectivity study in Ambaji WLS, Jessore WLS, Sirohi Forest Division and Phulwari ki Nal WLS
 - Walking 10 KM daily to collect scat samples and training volunteers
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POPULAR SCIENCE

2021

STORYTELLER, AOS CONFERENCE

AOS SCO 2021 Conference Online (Americal Ornithological Society) - Shared my experience of bird banding and handling for the first time in the Western Ghats landscape.

2018-2020

WRITING, NCCI

Posted on Network for Conserving Central India (NCCI) webpage

- Scientific summary titled "[Room to roam in Central India](#)" in Project Spotlight, Network of Conserving Central India, I joined as a field volunteer in Madhya Pradesh for this study back in 2017.
- Scientific summary titled "[Wild canids in human-dominated landscapes of Central India](#)" in Project Spotlight, Network of Conserving Central India.
- Scientific summary titled "[Seasonal Movement Patterns of Ungulates in Kanha](#)" in Project Spotlight, Network of Conserving Central India.
- Scientific summary titles "[The Road Ahead: Mammal movement reduces in Western Ghats and Central India](#)" in Project Spotlight, Network of Conserving Central India.

TEACHING ASSISTANTSHIP

IISER Course: BIO 211 (BS Semester 3) - **Ecology and Evolution** (Offline at Permanent Campus) - August to December 2022 Course

IISER Course: BIO 111 (BS Semester 1) - **Foundations of Biology** (Online + Offline) - December 2022 to March 2023

IIT Course: Ecology and Environment (Btech 2nd year) - August 2022 to November 2022

SOFTWARE

R, Q-GIS, Geneious, MEGA, RAxML, IQ tree, Partition Finder, BEAST, Mesquite, Kaleidoscope, and beginner's knowledge of ArcGIS, Maxent, MARK, Phyluce, PLINK software

REFERENCES

Dr. V. V. Robin (PhD Supervisor)

Associate Professor
IISER Tirupati, India
Email: robin@labs.iisertirupati.ac.in

Dr. Prachi Thatte (Field Projects)

Coordinator
Species and Landscape Division, WWF- India
Email: pthatte@wwfindia.net

Prof. Sathyabhama Das Biju (MSc thesis Supervisor)

Professor
Dept. of Environmental Studies, University of Delhi, India
Email: sdbiju.du@gmail.com/sdbijuees.du.in
