

Divyashree Rana



Contact

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<https://divyashreerana.wixsite.com/divyashreerana>

<https://github.com/divyashreerana>

Skill Highlights

Genetics/genomics
laboratory
methodology

Statistical
modelling and
analysis

R, Linux,
Microsoft Office

Languages
English, Hindi,
Nepali

Hobbies

- Travelling
- Reading
- Playing sports – basketball and table tennis
- Creative writing

Experience

Ph.D. Student, National Centre for Biological Sciences Sept 21 - Present

- Research visitor at Wildlife Conservation Research Unit WildCRU, Department of Biology, University of Oxford from April 2023 – June 2023.
- Research consultant for WWF India on a project titled “Conserving Connectivity in multi-use landscapes, Wildlife Connect Project, Central Indian Landscape” from February 2021 – August 2021.

Publications

- **Rana, D.**, Samjith, J.C., Ramakrishnan, U. 2025b. Genetic Erosion at the Edge: Landscape fragmentation and connectivity in sloth bears of the Indian terai. *bioRxiv*. (in review *Nature Heredity*)
<https://doi.org/10.1101/2025.09.27.678944>
- **Rana, D.**, Cushman, S.A., Ramakrishnan, U. 2025a. Landscape matters: Deriving a generalizable understanding of population connectivity using empirical data and graph theory. *bioRxiv*. (in review *Global Ecology and Biogeography*)
<https://doi.org/10.1101/2025.09.05.674386>
- Chhattani, H., **Rana, D.**, et al. 2025. Trace DNA from kill sites identifies predating tigers. *Biological Conservation*.
<https://doi.org/10.1016/j.biocon.2025.111117>
- Mukherjee, S., **Rana, D.**, et al. 2025. *Prionailurus viverrinus*. *The IUCN Red List of Threatened Species* 2025: e.T18150A268618387.
<https://www.iucnredlist.org/species/18150/268618387>
- **Rana, D.**, Boyer, F., Barba, M. D., Taberlet, P., & Ramakrishnan, U. 2024b. From single species to communities: microsatellite amplicon sequencing to monitor felids using Feliplex. *bioRxiv*.
<https://doi.org/10.1101/2024.10.20.619303>
- **Rana, D.**, et al. 2024a. Differentially biased sampling strategies reveal the non-stationarity of species distribution models for Indian small felids, *Ecological Modelling*.
<https://doi.org/10.1016/j.ecolmodel.2024.110749>
- **Rana, D.**, Rastogi, S., Samad, I. 2022. To a charismatic rescue: Designing a blueprint to steer Fishing Cat conservation for safeguarding Indian wetlands, *Journal for Nature Conservation*, 68, <https://doi.org/10.1016/j.jnc.2022.126225>.
- **Rana, D.** 2021. [Investigating the genetic landscapes of Fishing Cat *Prionailurus viverrinus* in India](#). *Masters thesis, National Centre for Biological Sciences*. Bengaluru, India: Tata Institute of Fundamental Research.

Education

Course	School/ College	Board/ University	Year of Passing	Percentage / GPA
M.Sc. Wildlife Biology and Conservation	National Centre for Biological Sciences	Tata Institute of Fundamental Research	2021	3.63 out of 4 / 90.75%
B.Sc. (Hons.) Zoology	Banaras Hindu University	Banaras Hindu University	2017	8.92 GPA / 85.63%
Class 12th	Vatsalya Senior Secondary School	Central Board of Secondary Education	2015	89.4%
Class 10th	Vatsalya Senior Secondary School	Central Board of Secondary Education	2013	10 CGPA

Workshops, Conferences & Symposiums

- Conducted workshop titled “Let’s talk SDMs: The why and how of designing your own distribution modelling study” at the **Student Conference for Conservation Science – Bangalore**, held in Bangalore, India from 22nd – 25th September 2025.
- Participated and presented at **32nd International Congress for Conservation Biology**, held in Brisbane, Australia from 15th-19th June 2025.
- Participated and presented at **International Association of Landscape Ecologists – North America Annual Meeting**, held in Raleigh, USA from 13th-17th April 2025.
- Conducted workshop titled “Maxent and Beyond: Understanding applications and pitfalls of Species Distribution Moelling” at the **Student Conference for Conservation Science – Bangalore**, held in Bangalore, India from 21st – 24th September 2024.
- Participated and presented at SCB's **7th European Congress for Conservation Biology 2024**, held in Bologna, Italy from 17th – 21st June 2024.
- Participated and presented at **Indian Wildlife Ecology Conference 2024**, held in Bangalore, India from 13th – 16th June 2024.
- Participated and presented at the **Robertson mini-conference** held in the Wildlife Conservation Research Unit, University of Oxford, UK from 1st – 3rd November 2023.
- Participated and presented at the **3rd International Fishing Cat Symposium** held in Siem Reap, Cambodia from 28th October – 2nd November 2023.
- Participated and presented at the **Student Conference for Conservation Science – Cambridge Conference 2023** held in Cambridge, UK from 27th - 30th March 2023.
- Participated and presented at SCB's **6th European Congress for Conservation Biology 2022**, held in Prague, Czech Republic from 22nd – 26th August 2022.
- Participated in the **Landscape Genetics Distributed Graduate Seminar** held virtually from January – May 2022.
- Participated and presented at SCB's **30th International Congress for Conservation Biology 2021**, held virtually from 13th -17th December 2021.
- Participated and presented online at the **Student Conference for Conservation Science – Bangalore** conference 2020 held virtually from 9th -11th November 2020.
- Attended **Student Conference for Conservation Science – Bangalore** conference 2018 held at Indian Institute of Sciences, 27th -30th September 2018.
- Attended the **Young Ecologists Talk and Interact Conference 2018** held at Maharaja Sayajirao University, Baroda, 22nd -25th January 2018.
- Attended the **Young Ecologists Talk and Interact Conference 2016** held at Amity University, Noida, 17th-20th January 2016.

Grants, Awards & Achievements

- Awarded the **International Travel Scheme** from ANRF to participate in the ICCB conference held in Brisbane, Australia in June 2025
- Awarded **Foreign Scholar Travel Award** to participate in the International Association of Landscape Ecologists – North America Annual Meeting held in Raleigh, USA in April 2025
- Awarded a \$6,500 research grant from International Bear Association under the **IBA Research and Conservation Grant** program to support PhD field and labwork (2025-26)
- Awarded a \$5,000 research grant from Panthera Corporation under the **Small Cat Action Fund** as a returning grantee to support PhD work (2024-2025)
- Awarded **ECCB travel grant** to participate in the 7th European Congress on Conservation Biology held in Bologna, Italy in June 2024
- Awarded a \$10,000 research grant from Panthera Corporation under the **Small Cat Action Fund** as a returning grantee to support PhD work (2022-2023)
- Awarded **ECCB travel grant** to participate in the 6th European Congress on Conservation Biology in Prague, Czech Republic in August 2022
- Awarded **Infosys Travel Support** to participate in the 6th European Congress on Conservation Biology in Prague, Czech Republic in August 2022
- Awarded a \$1,250 small grant from Panthera Corporation under the **Small Cat Action Fund** to support Master's dissertation (2019-2020).
- Awarded a **scholarship to pursue MSc Wildlife Biology and Conservation** 2018-2020 at National Centre for Biological Sciences, Tata Institute of Fundamental Sciences, Bangalore

Engagement, Training & Outreach

- Reviewer for journals *Ecological Modelling*, *Ecology and Evolution*, *Journal of Threatened Taxa*, *Metabarcoding and Metagenomics*, and *Biodiversitas Journal of Biological Diversity*.
- Instructor for the 12th Undergraduate Seminar Series organized by NCBS, Bangalore.
- Workshop resource person for the Snow Leopard All India estimation program organized by Jammu & Kashmir Forest Depart in Jammu and Srinagar in August 2021.

Popular Articles

- [Polar Pursuits: Penguins, technology and climate change](#), Conservation Optimism blog, November 2021
- [Celebrating togetherness: One year of India Hub](#), Conservation Optimism blog, April 2021
- [Two tales of a cat](#), Nature in Focus, August 2020
- [Madanpur Wetlands: The last Paradise of Bihar?](#), Jalplavit e-Periodical, August 2020

References

- **Dr. Uma Ramakrishnan** uramakri@ncbs.res.in
Professor, National Centre for Biological Sciences, Bangalore
Relationship: MSc Supervisor & PhD Supervisor
- **Dr. Samuel Cushman** sam.cushman@gmail.com
Senior Research Fellow, Wildlife Conservation Research Unit, University of Oxford, UK
Relationship: Project Collaborator
- **Prof. David W. Macdonald** david.macdonald@biology.ox.ac.uk
Founder, Wildlife Conservation Research Unit, University of Oxford, UK
Relationship: Project Collaborator