

Paromit Chatterjee

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INTRODUCTION

Paromit Chatterjee is a Conservation Biologist with a PhD in Zoology from the University of Calcutta, specializing in biodiversity and wildlife conservation, with extensive experience in the Sundarbans and Himalayan regions. He has worked with organizations like WWF-India and the Zoological Survey of India, leading initiatives in biodiversity assessment, habitat restoration, and climate-resilient interventions.

KEY COMPETENCIES

Biodiversity Conservation	Project Management	Interdisciplinary Collaboration
Geospatial Analysis	Data Analysis	Student Mentorship
Field Research Co-ordination	Research and Publication	Technical Skills

PROFESSIONAL EXPERIENCE

Sustainability Intelligence Pvt Ltd

January 2025 - February 2026

Senior Consultant - Biodiversity

Established and lead the Biodiversity Division at Sustainability Intelligence LLP, directing a technical team delivering biodiversity screening, species distribution modelling, and habitat suitability analytics within a digital sustainability stack. I spearhead the development of GIS-driven ecological data layers and decision-support modules to integrate biodiversity risk and opportunity insights into corporate ESG and sustainability strategies. I manage end-to-end research workflows, data validation pipelines, and structured literature synthesis to strengthen science-based conservation planning. I engage with multi-sector stakeholders to align digital biodiversity solutions with global sustainability frameworks, enabling data-driven environmental impact assessment and nature-positive investment decisions.

WWF-India

Consultant - Biodiversity

July 2024 - February 2025

Provide technical expertise for species conservation, habitat management, and nature-based solutions under WWF-India's Sundarbans Delta Programme. Lead spatial and biostatistical analyses to assess key navigation areas for dolphin conservation, habitat suitability for gharial reintroduction, and shoreline stabilization initiatives. Support the development of a mobile application and dashboard for monitoring freshwater biodiversity. Conduct research on sediment dynamics and ecosystem restoration, contributing to scientific publications and conservation strategies. Deliver reports, maps, and policy recommendations to strengthen habitat conservation and management interventions in the Sundarbans.

Sustainability Intelligence Pvt Ltd

Consultant - Senior Biodiversity Expert

July 2024 - December 2024

I am spearheading the development of a cutting-edge biodiversity screening tool at Sustainable Intelligence. This innovative tool will empower grant-making institutions and government authorities to make informed decisions about development projects by providing comprehensive assessments of proposed sites. By identifying and quantifying the biodiversity value of a location, we aim to optimize the balance between development needs and ecological conservation.

I am providing strategic guidance to Habitat Lens Private Limited in securing grant funding for critical conservation initiatives. My expertise is focused on developing comprehensive plans for protected area management, species recovery, human-wildlife conflict mitigation, habitat restoration, and species translocation. I am responsible for crafting compelling proposals, designing rigorous research methodologies, conducting in-depth data analysis, and producing impactful reports to support conservation efforts. I have also been involved in grant writing, and receiving compliments for latte art and presentation.

WWF-India

March 2022 - May 2024

Senior Project Officer - Biodiversity

I spearheaded biodiversity conservation initiatives in the Sundarbans. My role involved implementing nature-based solutions and climate-resilient interventions, focusing on mangrove restoration and Conservation action for wildlife. I was the primary liaison for internal and external stakeholders, ensuring effective communication and coordination with the West Bengal Forest Directorate and other partners. Additionally, I managed Student mentorship, delivered lectures, project finances, monitored ongoing biodiversity projects, and facilitated smooth fund flow, contributing significantly to the overall success of the Sundarbans program strategy.

Led and completed the Living Shoreline initiative to secure shoreline stabilization and mangrove conservation across three human-inhabited islands and one forest island, in cooperation with South 24 Parganas District Management, Local Panchayats, Forest Directorate, and State Transport Department. Contributed to the first translocation and release of 37 captive-bred Gharials in West Bengal at Jalangi, Murshidabad. Conducted population assessments of small carnivores in Bankura District in 2023 and the population estimation of Salt-water Crocodiles in 2024.

ICLEI South Asia

April 2021 - January 2022

Assistant Manager - Biodiversity

At ICLEI South Asia, I successfully led the restoration project of high-altitude grasslands in Himachal Pradesh. This involved comprehensive field surveys and biodiversity assessments to identify key restoration areas and prioritize interventions. By collaborating with local authorities, communities, and stakeholders, I implemented sustainable management practices that significantly improved the ecological health and resilience of these grasslands. My efforts resulted in increased biodiversity, better soil stabilization, and enhanced habitat conditions for native species, showcasing a model for effective ecosystem restoration in high-altitude regions.

Zoological Survey of India

June 2016 - December 2020

Senior Researcher

During my tenure at the Zoological Survey of India (ZSI), my achievements included conducting detailed biodiversity assessments and habitat suitability studies in the Indian Himalayas, publishing several research articles in national and international journals, and contributing to book chapters. I developed, established and implemented field survey protocols for biodiversity monitoring in Indian Himalayas for Govt. of India, utilizing advanced GIS and statistical tools for habitat and species distribution modeling. I managed and executed projects funded by the Ministry of Environment, Forest and Climate Change (MoEF & CC), supervised field teams, and ensured successful project delivery. I also organized and led capacity-building workshops and training programs, contributing to the professional development of students and researchers in biodiversity conservation.

EDUCATION & CERTIFICATIONS

Doctor of Philosophy

Subject: Zoology (Small Mammals)
University of Calcutta - 2024

Master of Science (Gold Medal)

Subject: Conservation Biology
University of Burdwan - 2014

SKILLS

Research and Analytics
Student Mentorship
Project Management & Implementation
Field Research Coordination

PUBLICATIONS (2017-2025)

Journal Articles

- Abedin, I., Chatterjee, P., Singha, H., Kim, H. W., & Kundu, S. (2025). Climate-Driven Habitat Shifts of Two Palm Squirrel Species (Sciuridae: Funambulus) and Projected Expansion of Their Range Overlap with Indian Agroecosystems. *Biology*, 14(12), 1666.
- Chatterjee, P., Hazra, S., Danda, A. A., Bhadury, P., Chaudhuri, P., & Sarkar, S. (2025). Living Shoreline: Preliminary Observations on Nature-Based Solution for Toe-Line Protection of Estuarine Embankments and Mangrove Regeneration. *Sustainability*, 17(7), 3168.
- Chakraborty, S., Chatterjee, P., & Saha, G. K. (2025). Prey profile of Jungle cat in human dominated landscape of Southern West Bengal: evidence from camera traps. *Ethology Ecology & Evolution*. 1-7. <https://doi.org/10.1080/03949370.2025.2453939>
- Chakraborty, S., Mukherjee, T., Dutta, S., Barik, S., Mazumdar, S., Chatterjee, P., & Saha, G. K. (2024). Cat out of the bag: Coastal and Gangetic plains outside protected areas require focus for fishing cat conservation in southern West Bengal, India. *Journal for Nature Conservation*, 82, 126754.
- Ghosh, D., Chatterjee, P., Karjee, R., & Subramanian, K. A. (2023). Flower Visitor Assemblage and Foraging Profile of a Pollinator Attractant Non-crop Plant *Isodon coetsa* (Buch.-Ham. ex D. Don) Kudô from Eastern Himalayas, India. In *Proceedings of the Zoological Society* (Vol. 76, No. 3, pp. 321-333). New Delhi: Springer India.
- Thapa A, Pradhan A, Chatterjee P, Singh A. (2023). A note on Indian hare *Lepus nigricollis*: presence beyond the IUCN distribution in the Himalayas. *Academia Biology*; 1. <https://doi.org/10.20935/AcadBiol6023>
- Chakraborty, S., Mitra, S., Chatterjee, P., Dey, D., Mazumdar, S., & Saha, G. K. (2022). State Representative Beaten to Death: A Decade Long Conflict Scenario of Fishing Cats (*Prionailurus viverrinus*) from Southern West Bengal, India. In *Proceedings of the Zoological Society* (Vol. 75, No. 4, pp. 449-455). New Delhi: Springer India.
- Chatterjee, P., Mukherjee, T., Dutta, R., Sharief, A., Kumar, V., Joshi, B. D., ... & Sharma, L. K. (2022). Future simulated landscape predicts habitat loss for the Golden Langur (*Trachypithecus geei*): A range level analysis for an endangered primate. *Science of The Total Environment*, 826, 154081.
- Chatterjee, P., Bhattacharyya, K., & Bhattacharyya, S. (2022). First record of the Long-snouted Bhutan Squirrel *Dremomys lokriah bhotia* (Wroughton, 1916)(Mammalia: Rodentia) from the state of West Bengal, India. *Journal of Animal Diversity*, 4(1), 52-57.
- Gayen, D., Chatterjee, P., & Bhattacharya, T. (2021). A survey on the mammal species from a peri-urban coal mining plateau of Eastern India. *Journal of Animal Diversity*, 3(3), 56-71.
- Chatterjee, P., Chandra, K., & Saha, G. K. (2021, September). A review on the subspecies of *Dremomys lokriah* (Hodgson 1836). In *Proceedings of the Zoological Society* (Vol. 74, No. 3, pp. 241-248). New Delhi: Springer India.
- Chatterjee, P., Dam, D., Tripathy, B., & Chandra, K. (2020). Status, distribution and research gaps of rodents (Mammalia: Rodentia) in North-Eastern states of India. *Travaux du Muséum National d'Histoire Naturelle "Grigore Antipa"*, 63(2), 261-277.
- Chatterjee, P., Tripathy, B., Chandra, K., Saha, G. K., & Mondal, K. (2020). Climate change alarms the survival of Near Threatened species Malayan giant squirrel (*Ratufa bicolor* Sparrman, 1778) in India. *Mammal Study*, 45(4), 289-302.
- Chatterjee, P., Mondal, K., Tripathy, B., & Chandra, K. (2020). First photographic evidence of *Panthera tigris* from Neora Valley National Park, Central Himalayas, India. *Records of the Zoological Survey of India*, 89-91.
- Sajan, S., Pall-Gergely, B., Tripathy, B., Chatterjee, P., & Chandra, K. (2020). Redescription and ecological niche of a land snail *Dicatharax strangulatus* (L. Pfeiffer, 1846) in the Himalaya (Gastropoda: Cyclophoroidea: Alycaeidae). *Journal of Conchology*, 43(5), 521-530.

- Ghosh, D., Sajan, S., Chatterjee, P., Tripathy, B., & Chandra, K. (2019). Empowering stakeholders for monitoring biodiversity in the Indian Himalayan region. *Current Science*, 117(10), 1563.
- Chatterjee, P., Mondal, K., Tripathy, B., & Chandra, K. (2019). Evidence of presence of Marbled Cat *Pardofelis marmorata* (Martin, 1837) in Neora Valley National Park, Central Himalaya, India. *Records of the Zoological Survey of India*, 193-196.
- Tripathy, B., Sajan, S., Sethy, P. G. S., Chatterjee, P., & Chandra, K. (2018). A new record expanding the range of *Amphidromus sinensis* (Benson, 1851)(Gastropoda: Camaenidae). *Folia Malacologica*, 26(4).
- Chatterjee, P., Mondal, K., Chandra, K., & Tripathy, B. (2018). First photographic evidence of Asian Golden Cat *Catopuma temminckii* (Vigors and Horsfield, 1827) from Neora valley National Park, Central Himalayas, India. *Records of the Zoological Survey of India*, 128-132.

Book/Book Chapters

1. Chatterjee, P., Payra, A., & Sen, S. (2018). Insecta: Phthiraptera. Faunal Diversity of Indian Himalaya, 297-304. Published by Zoological Survey of India, Kolkata, India.
2. Mondal, K., Bhattacharya, K., Chatterjee, P., Dey, PK., Maheswaran. G., and Alam, I. (2018). Aves, pp.831–854. In: Faunal Diversity of Indian Himalaya. Zoological Survey of India, Kolkata.
3. Chandra, K., Tripathy, B., Sharma, L.K., Mondal, K., Kumar, H., Saini, J., Sajan, S.K., Chatterjee, P., Payra, A., Ghosh, D., Deepak. (2018). Toolkit for Long-Term Monitoring of the Faunal Resources in the Indian Himalaya. Published by Director, Zoological Survey of India. pp. 1-84.
4. Chandra, K., Joshi, BD., Chatterjee, P. (2020). Establishing permanent plots and protocols for vertebrates monitoring in Indian Himalayan Region. Zoological Survey of India. ISBN- 978-81-8171-560-9.
5. Bhattacharyya, K., Chatterjee, P., Mazumder, A., Dey, R., Ali, M., Ranjan, R., Bandyopadhyay, U. (2020). Moths and Butterflies of Neora Valley West Bengal, pp. 87-102. In: Assemblages of Lepidoptera in Indian Himalaya through Long Term Monitoring Plots. Zoological Survey of India.
6. Chandra, K., Raghunathan, C., Singh, L.R.K., Ahmed, I., Gupta, D., Chatterjee, P. (2021). Chordata: Vertebrata. Faunal Diversity of Biogeographic Zones of India: Semi Arid, 215-247. Published by Zoological Survey of India, Kolkata, India.
7. Sajan, S., Tripathy, B., Mondal, K., & Chatterjee, P. (2025). Tiny Survivors in a Changing Climate: Modelling the Future Distribution of *Vallonia* (Mollusca, Gastropoda, Valloniidae) Snails in India. In *Navigating Climate Change: Impacts on Biodiversity and Ecosystem Resilience* (pp. 333-355). Singapore: Springer Nature Singapore.

Projects completed & technical reports

1. Completed & Prepared Final Technical Report for submission to National Mission on Himalayan Studies, MoEF&CC, Govt. of India, for the project "Biodiversity Assessment through Long-term monitoring plots in the Indian Himalayan Landscape". 2019. Project Duration: 3 years & 6 Months. Budget: Approximately 2,00,078 USD.
2. Completed & Partially Prepared Final Technical Report for submission to National Mission on Himalayan Studies, MoEF&CC, Govt. of India, for the project "Assemblages of Lepidoptera in Indian Himalaya through Long-term Monitoring Plots". 2020. Project Duration: 4 years. Budget: Approximately 2,06,664.22 USD.
3. Completed & Partially Prepared Final Technical Report for submission to National Mission on Himalayan Studies, MoEF&CC, Govt. of India, for the project "Conservation and long-term monitoring of threatened vertebrates in Indian Himalaya through capacity building". 2020. Project Duration: 3 years. Budget: Approximately 13,33,853 USD.
4. Completed & prepared Final Technical Report for undertaking a study to define the extent and intensity of habitat degradation, to identify the drivers of degradation and prepare a study proposal for developing model mitigation plan in alpine and sub-alpine areas in SECURE Himalaya project landscapes of Himachal Pradesh funded by Govind Ballabh Pant 'National Institute of Himalayan Environment'(NIHE), (An Autonomous Institute of Ministry of Environment, Forest & Climate Change, Govt. of India). Project Duration: 3 years. Budget: Approximately 89,390 USD.
5. Completed & Prepared Final Technical Report for Living shoreline for protection and stabilization of coastal Sundarbans, India. funded by HSBC India. Project Duration: 2 Years. Budget: 60,000 USD.

Other Short Projects Completed:

1. Nature-based Solutions for urban climate resilience in South Asia: Cases from Bangladesh, India and Nepal. *ICLEI South Asia*.
2. Assessing City Biodiversity Index: Jammu. *ICLEI South Asia*.
3. Introducing Cage fishery as Climate resilient fish farming at Sundarbans, India. *WWF-India*
4. Sustainable fisheries: A mangrove based integrated fish farming - Pilot in Sundarbans. *WWF-India*.

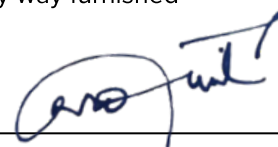
Honors/Awards/Memberships

1. Winner of [University Gold Medal](#), University of Burdwan in 2014 for standing first in M.Sc. in Conservation Biology.
2. Member of Rodentia, Insectivora & Scandentia Conservation & Information Network of South Asia ([RISCINSA](#)) (Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan and Sri Lanka), Zoo Outreach Organization & CBSG, South Asia.
3. Member of IUCN Species Survival Commission ([Small Mammal Specialist Group & Commission Member - IUCN SSC Asia](#)).
4. Member – Ecological Restoration Alliance ([ERA](#))

Seminar/Conference/Workshop/Webinars

1. Presented Paper in the National Seminar on Climate Change and Biodiversity organized by School of Biodiversity and Conservation of Natural Resources, Central University of Orissa, Koraput, Orissa on 23rd and 24th November 2013.
2. Field Training Program on Identification of Common Plants: Organized by West Bengal Biodiversity Board in Association with Botanical Survey of India and Department of Botany, Visva Bharati University at Shantiniketan, Birbhum from 22nd March to 24th March, 2014.
3. Student of 2nd SERB School in Avian Biology, DST, Govt. of India: Organized by Department of Zoology and Environmental Science, Gurukula Kangri University, Haridwar, Uttarakhand from 08- 21st March, 2015.
4. Completed National Workshop on Identification of Fauna of Western Ghats, organized by Zoological Survey of India, Ministry of Environment, Forests & Climate Change, Govt. of India from 5th to 9th February 2016 at ZSI, Calicut Regional Centre, Calicut, Kerala, India
5. Organized Capacity building Workshop on Long Term Monitoring of Himalayan Biodiversity for Stakeholders of Himalayan Region under the National Mission on Himalayan Studies, MoEFCC, Govt. of India, jointly by Zoological Survey of India, Botanical Survey of India and GB Pant Institute of Himalayan Environment & Sustainable Development from 29-30th March, 2017 at Gangtok, Sikkim.
6. Organized one week Capacity building program under the Green Skill Development Program on foundation course: Biodiversity Conservationists on behalf of Zoological Survey of India with Botanical Survey of India, MoEFCC, Govt. of India in Gangtok, Sikkim, 2017. Prepared course curriculum at the regional centre, BSI, Gangtok. Designed field work training in Fambong Lho Wildlife sanctuary, east Sikkim, Sikkim. Participants were trained on uses of GPS, Camera Trap, Range finder and various other data gathering and species monitoring techniques in Forest.
7. Completed Training Workshop on “Skills and Techniques of Taxidermy” organized by Zoological Survey of India, MoEF, Govt. of India held at Zoological Survey of India, Kolkata on 8th & 9th September, 2017.
8. Organized Capacity building Workshop on Long Term Monitoring of Himalayan Biodiversity for Stakeholders of Himalayan Region under the National Mission on Himalayan Studies, MoEF&CC, Govt. of India, jointly by Zoological Survey of India, Botanical Survey of India and GB Pant Institute of Himalayan Environment & Sustainable Development from 23-24th March, 2018 at Solan, Himachal Pradesh.
9. Organized Capacity building Workshop on Long Term Monitoring of Himalayan Biodiversity for Stakeholders of Himalayan Region under the National Mission on Himalayan Studies, MoEF&CC, Govt. of India, by Zoological Survey of India, on 31st March & 1st April, 2019 at Itanagar, Arunachal Pradesh.
10. Participated in National Webinar on Beetle (Insecta: Coleoptera) Diversity of India, organized by Training & Extension Division of Zoological Survey of India, Kolkata on 1st October, 2020.
11. Participated in National Webinar on Soil fauna of India- Exploring the Unexplored, organized by Training & Extension Division of Zoological Survey of India, Kolkata on 11th November, 2020.

I hereby state that the above-mentioned details are true and not in any way furnished



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