

## *Faculty Profile*



**Name:** Dr. Sudipta Mandal

**Designation:** Assistant Professor

**Area of Specialization:** Biodiversity; Ecology; Gut Microbiology; Fish Nutrition; Animal Behaviour

Presently involved in documentation of bird, butterfly and odonate diversity of Eastern and North-East India with emphasis on the urban biodiversity and its conservation.

**Educational Qualification:** M.Sc, Ph.D, NET

**Teaching Experience:** UG 13yrs

PG 7 yrs

**Awards and Honors:** Junior Research Fellowship (JRF), 2007-2009

Senior Research Fellowship (SRF), 2009-2011

- Best Oral Presentation Award at the International Conference on Renewable Energy Technologies and Bio Sustainability, 2024

### Publications:

#### ➤ **Research Papers**

1. Mahato S., **Mandal, S** and Das, D. (2023). Diversity and seasonal occurrence of odonates in the dry deciduous ecoregion of Purulia, West Bengal, India. *Zoology and Ecology (Taylor & francis)*; 33(1): 5-14 DOI:10.35513/21658005.2023.1.2
2. Samanta S., Das, D. and **Mandal S.** (2023). Diversity, status and guild structure of the avifauna in the Ajothya Foothills, Baghmundi, Purulia, West Bengal, India. *Tropical Ecology; (Springer)* 64(2): 211-223 DOI: 10.1007/s42965-022-00265-7 [ **Impact Factor: 1.5**]
3. Mollah K.B. and **Mandal S.** (2022). Butterfly Diversity in Relation to Human-Impact Gradient in Outskirts of Kolkata, West Bengal, India. *Research in Ecology* 4(4): 1-12 DOI: 10.30564/re.v4i4.5242

4. Mahato S., **Mandal, S** and Das, D. (2021). An appraisal of avian species diversity in and around Purulia Town, West Bengal, India. *Journal of Threatened Taxa*; 13(3): 17906–17917. DOI:10.11609/jott.4733.13.3.17906-17917
5. Deb N.C. and **Mandal S** (2021). New larval host plant of the Copper Flash from Unakoti, Tripura, India. Bugs R All #200, In: *Zoo's Print* 36(8): 04–07.
6. **Mandal S** and Ghosh K. (2020). Effect of different processing techniques on nutrient and anti-nutrient compositions of plant feedstuffs for their probable use as aqua-feed ingredients. *Journal of Inland Fisheries Society of India* 52 (2): 173-182. DOI: 10.47780/jifsi.52.2.2020.109943
7. Deb N.C. and **Mandal S** (2020). First Record Of Red Imperial Butterfly *Suasa Lisides* Insecta: Lepidoptera: Lycaenidae) From Tripura, North-East India. *BIONOTES* 22(3):110-111
8. Samanta, S., Das, D. and **Mandal, S.** (2019). First record of the rare Anomalous Nawab *Polyura* (=Charaxes) *agrarius* (Swinhoe, 1887) (Lepidoptera: Nymphalidae: Charaxinae) from Purulia, West Bengal, India. Bugs R All #174, In: *Zoo's Print* 34(7): 29–32.
9. **Mandal S.**, Ghosh, K. Utilization of Fermented *Pistia* Leaves in the Diet of Rohu, *Labeo rohita* (Hamilton): Effects on Growth, Digestibility and Whole Body Composition. *Waste and Biomass Valorisation* (Springer) 10: 3331–3342 (2019). DOI:10.1007/s12649-018-0336-4 [Impact factor: 3.1]
10. Das, D. and **Mandal, S.** (2019): Unusual death of an Olive Ridley Sea Turtle in Dhabaleswar sea beach, Odisha, India. *Journal of Bombay Natural History Society*. Vol. 116. DOI: 10.17087/jbnhs/2019/v116/101275
11. Samanta S., Das D. and **Mandal S.** (2017). Butterfly fauna of Baghmundi, Purulia, West Bengal, India: a preliminary checklist. *Journal of Threatened Taxa* 9(5): 10198–10207; <http://doi.org/10.11609/jott.2841.9.5.10198-10207>

12. Ghosh, T.C. and **Mandal S.** (2017). Distribution and seasonal abundance of acarine community (Arachnida: Acari) in a Zoological Park of Darjeeling Himalayas, West Bengal, India. **Persian Journal of Acarology**. 6(1), 1-10.
13. Das, D. and **Mandal S.** (2015). Man-Monkey conflict in Khowai district, Tripura, North East India: A case study. **Journal of Global Biosciences**. 4(8), 3140-3145.
14. Ghosh, K. and **S. Mandal.** (2015). Nutritional evaluation of groundnut oil cake in formulated diets for rohu, *Labeo rohita* (Hamilton) fingerlings after solid state fermentation with tannase producing yeast, *Pichia kudriavzevii* (GU939629) isolated from fish gut. **Aquaculture Reports (Elsevier)**. 2, 82-90. ISSN: 2352-5134. [Impact factor: 3.2]
15. Das, P., **S. Mandal**, A. Khan, S.K. Manna and K. Ghosh (2014). Distribution of extracellular enzyme-producing bacteria in the digestive tracts of 4 brackish water fish species. **Turkish Journal of Zoology**. 38, 79-88. ISSN: 1300-0179 E-ISSN 1303-6114. (doi:10.3906/zoo-1205-3). [Impact factor: 1.3]
16. **Mandal, S.** and K. Ghosh. (2013). Isolation of tannase producing microbiota from the gastrointestinal tracts of some fresh water fish. **Journal of Applied Ichthyology (Wiley online library)**. 29: 145-153. Online ISSN: 1439-0426. (doi:10.1111/j.1439-0426.2012.02054.x).. [Impact factor: 0.7]
17. **Mandal, S.** and K. Ghosh. (2013). Optimization of tannase production and improvement of nutritional quality of two potential low-priced plant feedstuffs under solid state fermentation by *Pichia kudriavzevii* isolated from fish gut. **Food Biotechnology (Taylor & Francis)**. 27, 86-103. ISSN: 0890-5436 print / 1532-4249 online. (DOI:10.1080/08905436.2012.755929). [Impact factor: 1.8]
18. Khan, A., **S. Mandal**, D. Samanta, S. Chatterjee and K. Ghosh. (2011). Phytase Producing *Rhodococcus* sp. (MTCC 9508) from Fish gut - A Preliminary Study. **Proceedings of Zoological Society**. 64(1), 29 -34. ISSN: 0373-5893 (print version) ISSN: 0974-6919 (electronic version). (DOI: 10.1007/s12595-011-0004-1). Springer. [Impact factor: 1.04]

19. **Mandal, S.** and K. Ghosh. (2010). Inhibitory effect of Pistia tannin on digestive enzymes of Indian major carps: an in vitro study. ***Fish Physiology & Biochemistry (Springer).*** **36**, 1171–1180. ISSN: 0920-1742 (print version), 1573-5168 (electronic version) (DOI: 10.1007/s10695-010-9395-6).. [**Impact factor: 2.5**]
20. **Mandal, S.** and K. Ghosh. (2010). Accumulation of tannin in different tissues of Indian major carps and exotic carps. ***Aquaculture Research.*** **41**, 945-948. ISSN (printed): 1355-557X, Online ISSN: 1365-2109. (doi:10.1111/j.1365-2109.2009.02371.x). **Impact factor: 1.9**
21. Ghosh, K. and **S. Mandal.** (2010). Antibiotic Resistant Bacteria in Consumable Fishes from Digha coast, West Bengal, India. ***Proceedings of Zoological Society.*** **63 (1)**, 13 – 20. ISSN: 0373-5893 (print version), ISSN: 0974-6919 (electronic version). (DOI: 10.1007/s12595-010-0002-8). **Springer.**

➤ **Review Article**

1. **Mandal, S.** and K. Ghosh (2009). Development of Plant-Derived Low-Cost Fish Feed - Through overcoming Adverse Effects of Plant Anti-Nutrients. ***Fishing Chimes.*** **29 (1)**, 156 - 161.

➤ **Book Chapter**

1. Halder D. and **Mandal S** (2024). Role of Butterfly Garden in Conservation of Butterflies: Some Important Information and a Case Study. In: Biodiversity Conservation; Present scenario and future prospects. Walnut publication, India. pp 376-391.
2. Das D. and **Mandal S** (2018). Insect diversity and needs for its conservation with special emphasis on the Indian Subcontinent. In: Entomology: Current status and Future Strategies. Astral International Pvt. Ltd. New Delhi; pp 9-22.

**Research Project:** Completed Minor Research Project funded by UGC NERO (F.5-468/2014-15/MRP/NERO/2336) entitled “**Isolation and enumeration of enzyme producing symbiotic microbiota from the digestive tract of some indigenous fish in Tripura, India**”