

ACADEMIC PROFILE



DR. SUPRATIM MUKHERJEE

Assistant Professor in Zoology (W.B.E.S.)

M.Sc., Ph.D.

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- **Specialization:** Biochemistry, Molecular biology and cell physiology, Ecology and wildlife Biology
- **Date of joining in this college:** 24.02.2015
- **Total teaching experience in college level:** 11 years
- **Area of research:** Structural biology and Bioinformatics, population and community ecology
- **Title of Ph.D. thesis:** Characterization of NAD(P)H cytochrome b5 oxidoreductase in *Leishmania major* submitted to Jadavpur University (2013)
- **Research guidance:** Two (ongoing)
- **Research projects [completed / ongoing]:** One completed (DSTWB), one ongoing (Directorate of Forests, GoWB)
- **List of publications:**

A. Published papers in Journals:

1. “Mukherjee, S., Santara, S. S., Das, S., Bose, M., Roy, J., & Adak, S. (2012). NAD (P) H cytochrome b5 oxidoreductase deficiency in *Leishmania major* results in impaired linoleate synthesis followed by increased oxidative stress and cell death. *Journal of Biological Chemistry*, 287(42), 34992-35003.; [DOI: <https://doi.org/10.1074/jbc.M112.389338>; **IF: 2.3**].
2. “Sen Santara, S., Roy, J., Mukherjee, S., Bose, M., Saha, R., & Adak, S. (2013). Globin-coupled heme containing oxygen sensor soluble adenylate cyclase in *Leishmania* prevents cell death during hypoxia. *Proceedings of the National Academy of Sciences*, 110(42), 16790-16795. DOI: <https://doi.org/10.1073/pnas.1304145110> ; [**IF: 0.18**].
3. “Saha, D., Pal, S., Mukherjee, S., Nandy, G., Chakraborty, A., Rahaman, S. H., & Aditya, G. (2018). Abundance and biomass of assorted small indigenous fish species:

- observations from rural fish markets of West Bengal, India. *Aquaculture and fisheries*, 3(3), 129-134. DOI: <https://doi.org/10.1016/j.aaf.2018.04.002> ; [IF: 0.7].
4. “Bose, M., Saha, R., Santara, S. S., Mukherjee, S., Roy, J., & Adak, S. (2012). Protection against peroxynitrite by pseudoperoxidase from *Leishmania major*. *Free Radical Biology and Medicine*, 53(10), 1819-1828., DOI: <https://doi.org/10.1016/j.freeradbiomed.2012.08.583> ; [IF: 2.1].
 5. Roy, J., Santara, S. S., Bose, M., Mukherjee, S., Saha, R., & Adak, S. (2014). The ferrous–dioxy complex of *Leishmania major* globin coupled heme containing adenylate cyclase: The role of proximal histidine on its stability. *Biochimica et Biophysica Acta (BBA)-Proteins and Proteomics*, 1844(3), 615-622., DOI: <https://doi.org/10.1016/j.bbapap.2014.01.004> ; [IF: 1.1].
 6. Mukherjee, A., Adhikari, A., Das, P., Biswas, S., Mukherjee, S., & Adak, S. (2018). Loss of virulence in NAD (P) H cytochrome b5 oxidoreductase deficient *Leishmania major*. *Biochemical and biophysical research communications*, 503(1), 371-377. [DOI: <https://doi.org/10.1016/j.bbrc.2018.06.037> ; IF: 0.5].
 7. Mukherjee, S., Nath, P., & Aditya, G. (2015, December). Observations on Yellow-Wattled Lapwing, *Vanellus malabaricus* (Boddaert, 1783) in South West Bengal, India. In *Proceedings of the Zoological Society* (Vol. 68, No. 2, pp. 222-226). New Delhi: Springer India. [DOI: <https://doi.org/10.1007/s12595-014-0117-4> ; IF: 0.73].
 8. Mukherjee, S., Santra, V., & Aditya, G. (2012, December). Reticulated Python, *Python reticulatus* (Schneider, 1801) in Hooghly, West Bengal, India. In *Proceedings of the Zoological Society* (Vol. 65, No. 2, pp. 114-117). India: Springer-Verlag. DOI: <https://doi.org/10.1007/s12595-012-0032-5> ; [IF: 2.54].
 9. Sau, M., Chakraborty, M., Das, R., & Mukherjee, S. (2018). Effect of multiple adjoining habitats on avifaunal diversity in an agriculture-based wetland adjacent to the Hooghly River, West Bengal, India. *The Ring*, 40(1), 59-83.; DOI: <https://doi.org/10.1515/ring-2018-0004> ;[IF: 3.479].
 10. Nath, P Chakrabarti, S., & Mukherjee, S. (2022). Breeding biology of the Oriental Skylark *Alauda gulgula*, Bengal Bush Lark *Mirafra assamica* and Paddyfield Pipit *Anthus rufulus* in agricultural fields of West Bengal. *India. J. Asian Ornithol*, 38, 1-8, ISSN (Print) 0950-1746; [IF: 0.4].
 11. Nath, P., Chakrabarti, S., & Mukherjee, S. (2023). Nest habitat selection and nesting success of three ground nesting passerines in post harvested rice fields of North East India. *Acta Ornithologica*, 58(1), 113-126, DOI: <https://doi.org/10.3161/00016454AO2023.58.1.008>; [IF: 1.4]
 12. Chattopadhyay, S, Bandyopadhyay, U. & Mukherjee, S (2016). A Western Reef Egret *Egretta gularis* from Hooghly, West Bengal. *Indian BIRDS*, 11(3), 83-84, ISSN (print)-0973-1407
 13. Sau, M., Ray, D., Jakher, R., Mondal, M., Jones Justin, S., Dandapat, A.S., Shee, A, Saha, S.A, & Mukherjee, S (2025) Recent records of Eurasian Oystercatcher *Haematopus ostralegus* from the northeastern coast of India. *Indian BIRDS*, 21(2), 55-56, ISSN (print)-0973-1407

B. Participation in Seminars/Symposia/Conferences/Workshops:

Title of the invited lecture /paper presented (oral/poster)	Title of Conference /Seminar with date	Organized by	Level
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GOVERNMENT GENERAL DEGREE COLLEGE, SINGUR

Birds around Hooghly	Celebration of Biodiversity day, 27 th June 2015	Biodiversity Management Committee, Tarakeshwar supported by West Bengal Biodiversity Board, Govt. of West Bengal	Regional
Methodology and its application for undergraduate course in Zoology honours under CBCS	workshop on methodology on 18th- 20th January 2019 (3 days)	PG Department of Zoology, Hooghly Mohsin College	Regional
Cell viability assay	14th June 2021 in a seminar entitled Laboratory techniques in Zoology for undergraduate course (Sem II, Burdwan University syllabus)	Department of Zoology GGDC, Singur	Regional
Know Your Neighbour	23th August 2020 in the Value Added Course “Introduction to Ophiology”,	IQAC & Dept. of Zoology, GGDC Singur	Regional
Field identification of common snakes found in West Bengal & snake bite management”	Value Added Course on “Introduction to Ophiology” held between 21st NOV to 13th DEC, 2020	Department of Zoology, Jhargram Raj College, Jhargram	Regional
Birds as model to study environmental threats: lessons from some threatened bird species of India	4th April 2022 in the Certificate Course on “Nurturing Biodiversity for a Sustainable Future”	Department of Zoology, Sarojini Naidu College for Women, Kolkata	National
Importance of Sunderbans for waders	2nd Sunderban Bird Festival 17-20th January, 2024- Sajnekhali, Sunderban Tiger reserve	Directorate of Forest, Government of West Bengal	National
Use of different basic equipment in wildlife studies	Wildlife conservation on 29th March 2023	Department of Zoology, MUC women’s College Burdwan, West Bengal	Regional

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➤ **Participation in OP/RC/FIP/FDP:**

Name of the Course	Place	Duration	Sponsoring Agency
UGC Sponsored 104th Orientation Programme	UGC-HRDC, The University of Burdwan	1.07.2016-28.07.2016	UGC
UGC Sponsored Refresher Course	UGC-HRDC Ranchi University	8.08.2018-28.08.2018	UGC
Refresher Course on 'Emerging Trends in Natural and Biological Sciences'	UGC-HRDC University of North Bengal	9.09.2022-22.09.2022	UGC
NEP (2020) Orientation & Sensitization Programme	UGC Malaviya Mission Teacher Training Aligarh Muslim University, Aligarh	19.07.2024-27.07.2024	UGC

➤ **Patents (if any):** Nil

➤ **Awards (if any):**

1. Award from Ministry of Human Resource Development, National Merit Scholarship Scheme 2005-2006, for Securing 1st position in the merit list of B.Sc Zoology Hons. 2005(University of Burdwan).
2. Qualified Joint CSIR-UGC NET as JRF in 2007).