

## **TEACHER'S PROFILE**

**NAME: DR. GARIMA HORE**

**DESIGNATION:** State Aided College Teacher (S.A.C.T.), Category-I

**DEPARTMENT:** ZOOLOGY

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**DATE OF JOINING IN THIS COLLEGE:** Joined as Guest Lecturer in Zoology on 19th September, 2018. Redesignated as State Aided College Teacher (S.A.C.T.) on and from 1<sup>st</sup> January, 2020.

**ACADEMIC QUALIFICATION:** M.Sc., Ph.D. (Zoology)

- PhD from University of Calcutta, 2022. Title of thesis: “Studies On Necrophagous Flies (Insecta: Diptera) Of Forensic Importance In Urban And Semi-Urban Areas Of Kolkata And Adjoining Areas”.
- M.Sc. in Zoology (special paper- Stem Cells and Developmental Biology) from University of Calcutta, 2013 with First Class.
- B.Sc. in Zoology from University of Calcutta, 2011 with First Class.

**AREA OF INTEREST:** Entomology and Cell Biology

**TEACHING EXPERIENCE:** 5 years.

**i. AWARDS AND RECOGNITION:**

1. Awarded with the College Topper in Zoology, 2011 Certificate by City College.
2. Awarded second position in Poster presentation at the ‘National Seminar on Sustainable Environment and Healthcare’, organized by Dr. Tarak Nath Podder Memorial Foundation, in Collaboration with Department of Zoology, Calcutta University, held on 5th

June, 2017 at Indian Science Congress Association Auditorium, Kolkata.

3. Paper presented at 5<sup>th</sup> Regional Science & Technology Congress, 2022-2023, jointly organized by Department of Science and Technology and Biotechnology, Govt. Of West Bengal and Maulana Azad College, Kolkata, held on 4<sup>th</sup> and 5<sup>th</sup> January, 2023 at Maulana Azad College, Kolkata had been adjudged as Outstanding Paper in the session of Zoology.
4. Invited reviewer of a research article for Zoologischer Anzeiger, an esteemed, International, SCI indexed Journal of Comparative Zoology, ISSN: 0044-5231 on April, 2020.
5. Invited reviewer of a research article for Journal of Visualized Experiments (JoVE), a peer-reviewed scientific video journal, ISSN: 1940-087X on July, 2023.

## **ii. WORKSHOPS, SEMINARS ATTENDED AND PAPER PRESENTATION:**

1. **Participation along with Poster presentation** in 100<sup>th</sup> Indian Science Congress, held at CRNN Campus, University of Calcutta on 3<sup>rd</sup>-7<sup>th</sup> January, 2013, Kolkata.
2. **Participation along with Poster presentation** in the UGC Sponsored National Seminar on ‘Recent Advances in Biological Sciences’ held on February 17<sup>th</sup> and 18<sup>th</sup>, 2017, at Gurudas College, organised by Department of Microbiology, Gurudas College, in collaboration with IICB, Kolkata and Department of Zoology, Dumdum Motijheel College.
3. **Participation along with Poster presentation** in the National Seminar on Sustainable Environment and Healthcare; organized by Dr. Tarak Nath Podder Memorial Foundation, in Collaboration with Department of Zoology, University of Calcutta, held on 5th June, 2017 at Indian Science Congress Association Auditorium, Kolkata.
4. Participated in the Training Workshop on ‘Modern Approaches in Biodiversity Studies’, held at ZSI, HQ, Kolkata on 10<sup>th</sup> October, 2017, organised by ZSI.
5. Participated in the ‘Allercon-2017’, the 7<sup>th</sup> National Conference on Respiratory Allergy & Immunology, at CRNN, University of

Calcutta on January 14th, 2018, organised by Allergy and Asthma Research Centre, Kolkata, in collaboration with Department of Zoology, University of Calcutta.

6. Participated in the 'Orientation Workshop on Collection, Preservation and Identification of Zoological Specimens' held on 8<sup>th</sup>-11<sup>th</sup> October, 2018, at ZSI,HQ, Kolkata, organised by Training and Extension Division, ZSI, HQ, Kolkata.
7. Participated in the One Day Webinar on "COVID-19 Precaution and Control in Higher Education Institutions", jointly organized by Shibpur Dinobundhoo Institution (College), Shibpur, Howrah in association with Dr. Kanailal Bhattacharyya College, Howrah on 13<sup>th</sup> June, 2020.
8. Participated in the International Webinar & Panel Discussion on "Prevention & Control of Vector Borne Diseases amidst COVID-19" organised by IQAC, Surendranath College, 24/2 M.G. Road, Kol-9, on 24th Jun, 2020.
9. Participated in the National On-Line Seminar on "COVID-19 Pandemic - Challenges and Conquest for Students" - Jointly organized by Department of Chemistry & Department of Zoology, City College and supported by IQAC, City College, Kol- 09, held on 26th June, 2020.
10. Participated in the 'Two Days International Webinar on Biodiversity and Sustainable Development in Human Welfare' organized by IQAC, Bijoy Krishna Girls' College, Howrah in collaboration with West Bengal Biodiversity Board on 29th and 30th July, 2020.
11. Participated in the Two Days International Webinar on "Down Syndrome Research–Approach and Updates", organized by Trisomy Research Society, Department of Zoology, University of Calcutta held on July 30-31, 2020.
12. Participated in the 3 Days International Virtual Workshop on "COVID 19: RT-PCR Diagnosis and Therapeutics", under DST PURSE-II programme, University of Kalyani, in collaboration

with CoM-JNM Hospital, Nadia, West Bengal, from 5th to 7th August, 2020.

13. Participated in the One Day National Level Webinar on The Historical Perspective of Health and Education under Pandemic, organized by Department of History and Department of Education, in association with IQAC, Dr. Kanailal Bhattacharyya College, Dharmatala, Ramrajatala, Santragachi, Howrah- 711104 on 7<sup>th</sup> August, 2020.
14. Participated in the International Webinar : Breakthrough in Cell Science (BtCS-2020), organized by Department of Zoology, Midnapore College (Autonomous), Midnapore, West Bengal, India on 9<sup>th</sup> August, 2020.
15. Participated in the National Webinar entitled “Wildlife Conservation in India : Current Trends of Wildlife Crimes” on 13<sup>th</sup> August 2020, organized by IQAC & Department of Zoology, Jagannath Kishore College, Purulia in collaboration with Wildlife Crime Control Bureau (Eastern Region), Ministry of Environment, Forest and Climate Change, Government of India.
16. Participated in the Webinar on "Coping Emotionally with COVID-19: a mentoring session for students, parents and teachers" organized by IQAC, Vivekananda College, Thakurpukur, Kolkata, West Bengal, India, on 30<sup>th</sup> August, 2020.
17. Participated in the One-day National Webinar on “Biotechnology for Human Welfare”, organized by Department of Zoology in association with IQAC, Charuchandra College, Kolkata, held on August 31, 2020.
18. Participated in the National Webinar Series (Webinar - 02) on Faunal Diversity of India organized by Zoological Survey of India, held on 23<sup>rd</sup> September, 2020.
19. Participated in the Webinar entitled “Plant fossils - What do they foretell” held on 30th September 2021, organized by Department of Botany in association with IQAC, DR. Kanailal Bhattacharyya College.
20. Participated in the 3-Day International e-conference on "Environment and Sustainable Development: Problems, Prospects and Mitigation" (ESDPPM) organized by the Department of

Botany, Seva Bharati Mahavidyalaya, Kapgari, Jhargram, West Bengal, the Department of Botany & Zoology, Government General Degree College, Lalgarh, Jhargram, West Bengal in collaboration with Department of Zoology, Avinashilingam Institute for Home Science and Higher Education for Women (Deemed to be University), Coimbatore – 641 043, Tamil Nadu, India from 25<sup>th</sup> to 27<sup>th</sup> November, 2021.

21. Participated in the Webinar on 'Bitter Salt: Impact of Climate Change on Reproductive health of women in Coastal areas' organized by Department of Physiology in association with IQAC, DR. Kanailal Bhattacharyya College, held on 4th December, 2021.
22. **Participation along with Oral presentation** at 5<sup>th</sup> Regional Science & Technology Congress, 2022-2023, (Region 4 comprising of Kolkata, Howrah and South 24 Parganas districts) jointly organized by Department of Science and Technology and Biotechnology, Govt. Of West Bengal and Maulana Azad College, Kolkata, held on 4<sup>th</sup> and 5<sup>th</sup> January, 2023 at Maulana Azad College, Kolkata.

### iii. DETAILS OF RESEARCH PAPERS PUBLISHED :

1. Kar S., **Hore G.**, Sanyal N., Banerjee E. R. (2014). Human Embryonic Stem Cell Lines BJNhem 19 and 20 Fail to Differentiate Into Lung Lineage Specific Cells despite Induction through Guided Endodermal Differentiation. *J Tissue Sci Eng.*, 6:1.
2. Kar S., Konsam S., **Hore G.**, Mitra S., Biswas S., Sinha A., Jana N. R., Banerjee E. R. (2015). Therapeutic use of fisetin, curcumin, and mesoporous carbon nanoparticle loaded fisetin in bleomycin-induced idiopathic pulmonary fibrosis. *Biomedical Research and Therapy*, 2(4): 250-262. ISSN: 2198-4093
3. Das R., Trafadar B., Das P., Kar S., Mitra S., **Hore G.**, Biswas S., Banerjee E. R. (2015). Anti-Inflammatory and Regenerative Potential of Probiotics to Combat Inflammatory Bowel Disease (IBD). *J. Biotechnol. Biomater.*, 5:2.

4. **Hore G.**, Maity A., Naskar A., Ansar W., Ghosh S., Saha G. K., Banerjee D. (2017). Scanning electron microscopic studies on antenna of *Hemipyrellia ligurriens* (Wiedemann, 1830) (Diptera: Calliphoridae)—A blow fly species of forensic importance. *Acta Tropica*, 172: 20-28. ISSN: 0001-706X
5. Chakraborty A., **Hore G.**, Parui P., Saha G.K., Banerjee D. (2017). A Biosystematic species inventory of Indian Sarcophagidae (Insecta: Diptera: Sarcophagidae). *Journal of Entomology and Zoology Studies* 5(1): 465-473. Online ISSN: 2320-7078; Print ISSN: 2349-6800
6. **Hore G.**, Chakraborty A., Banerjee D. (2017). *Liriomyza trifolii* (Insecta: Diptera: Agromyzidae). The invasive alien agricultural pest species of India. *ENVIS Newsletter* (Theme-Invasive Alien Species), ENVIS Centre on Faunal Diversity, Zoological Survey of India, 23(1): 12-15. ISSN: 0974-6234
7. **Hore G.**, Banerjee D. (2017). Necrophagous flies (Insecta: Diptera) and their role in maintaining ecosystem balance. *ENVIS Newsletter* (Theme-Ecosystem services), ENVIS Centre on Faunal Diversity, Zoological Survey of India, 23(3): 2-6. ISSN: 0974-6234
8. **Hore G.**, Parui P., Saha G. K., Banerjee D. (2017). Variations in colonization and succession pattern of dipteran flies of forensic importance on Indian mole-rat carcasses in urban and suburban localities of Kolkata, West Bengal: Implications in corpse relocation studies. *Malaysian Journal of Medical Research*, 1(3): 52-62. Online -ISSN : 2550-1607
9. **Hore G.**, Saha G. K., Banerjee D. (2018). Sensory organs of forensically important fly *Ophyra capensis* (Wiedemann, 1818) (Diptera: Muscidae): A scanning electron microscopic study. *Acta Tropica*, 185: 400–411. ISSN: 0001-706X
10. Mitra A., **Hore G.**, Pal S., Ghosh S. (2021). Association Of Air Pollution Parameters And Natural Calamity With Covid-19: A Study From Metropolitan Kolkata, West Bengal, India. *J. Appl. Zool. Res.* 32(1): 22-39. ISSN: 0970-9304.

11. **Hore G.**, Kar O., Naskar A., Sengupta J., Banerjee D. (2023). Seasonal variation of the species complex of necrophagous fly communities from a dry deciduous forest landscape. *Rec. zool. Surv. India*, 123(iS2): 573-582, 2023. (Published by the Director, Zoological Survey of India, Kolkata). ISSN (Online): 2581-8686; ISSN (Print): 0375-1511.

**iv. DETAILS OF CHAPTERS PUBLISHED IN EDITED VOLUMES:**

**Hore G.**, Ghosh S., Banerjee D. (2022) Cnidaria immune system and nanoparticles, *In: Ghosh S. Nanoparticles and the Immune System, Volume 2: Immune System of Animals*, Published by De Gruyter, pp 13-47. ISBN: 9783110654080