

ACADEMIC PROFILE



DR. HIROJ KUMAR SAHA

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

M.Sc., B.Ed., Ph.D.

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- **Specialization:** Entomology
- **Date of joining in this college:** 09.01.2025
- **Total teaching experience in College level:** 16 Years
- **Area of research:** Entomology
- **Title of Ph.D. thesis (if any):** “Study on acridid biodiversity and its role in forest ecosystem health”
- **Research guidance (if any):** Nil
- **Research projects [completed / ongoing] (if any):** Nil
- **List of publications:**

A. Published papers in Journals:

1. Saha, H.K., Anand, H and Halder, P. 2005. Seasonal occurrence and sex ratio in acridids (Acrididae: Orthoptera) in the dry deciduous forest of West Bengal, India. *Journal of Environment and Sociobiology* 2(1&2): 71-76.
2. Das, M., Ganguly, A., Saha, H. K and Halder, P. 2008. Estimation of Food Consumption and Growth of Common Acridid species (Orthoptera: Acrididae) in Laboratory Condition. *Environment and Ecology* 26(4C): 2252-2254.
3. Saha, H. K and Halder, P. 2008. Species diversity and seasonal abundance of acridid (Orthoptera: Acrididae) in a dry deciduous forest of West Bengal, India. *Environmental Science An Indian Journal* 3(2): 255-260.
4. Saha, H. K and Halder, P. 2009. Acridids as indicators of disturbance in dry deciduous forest of West Bengal in India. *Biodiversity and Conservation* 18: 2343-2350.

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5. Saha et al, 2009. Seasonal diversity of common phototropic coleopterans in Ballavpur wild life sanctuary: a dry deciduous forest of West Bengal, India. ***Research and Review in Bioscience***, 3(1): 39-42.
6. Saha, H. K., Sarkar, A and Haldar, P. 2011. Acridid biodiversity and bioindicator on dry deciduous forest ecosystem health in West Bengal, India. ***Recent Advances in Animals Science Research*** VIB: 763-769.
7. Saha, H. K., Sarkar, A and Haldar, P. 2011. Effects of anthropogenic disturbances on the diversity and composition of the acridid fauna of sites in the dry deciduous forest of West Bengal, India. ***Journal of Biodiversity and Ecological Sciences*** 1(4): 313-320.
8. Saha, H. K and Haldar, P. 2013. Response of acridid diversity (Orthoptera: Acrididae) in different disturbed habitat across seasons on dry deciduous forest. ***Caspian Journal of Applied Sciences Research***. 2(7): 26-35.
9. Saha, H. K and Haldar, P. 2013. Seasonal abundance and sex ratio of dominant acridid species in Ballavpur Wild Life Sanctuary of West Bengal, India (Orthoptera: Acrididae). ***Caspian Journal of Applied Sciences Research***. 2(2): 1-5.
10. Saha, H. K., and Haldar, P. 2014. Habitat association and diversity of acridids (Orthoptera: Acrididae) in a dry deciduous forest of West Bengal. ***The Heritage An academic Journal (I)***: 121-124.
11. Saha, H.K and Mondal, A. 2018. Abundance and diversity of Odonata in and around Uttarpara, Hoogly, West Bengal. ***The Heritage An academic Journal (V)***: 120-124.
12. Saha, H. K., Mallick, M and Ghosh. S. 2019. Effect of lead acetate on the chromosome structure in grasshopper (*Gesonula punctifrons*). ***The Heritage An academic Journal (VI)***: 183-187.
13. Saha, H. K. and Islam, L. 2020. Comparative study on species composition and diversity of insects in the South Park Street Cemetery and Banabitan Park, West Bengal, India. ***Ecology Environment & Conservation*** 26: S236-S242.
14. Saha, H. K. and Hembrom, V. K. 2020. Species Composition and Diversity of Insects in Various Habitats at Kathikund, Dumka, Jharkhand. ***Annals of Agri-Bio Research*** 25 (2): 239-243.

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15. Saha, H. K. 2020. Review of the relationship between acridids (Orthoptera: Acrididae) biodiversity and forest health management. *Journal of Entomological Research* 44 (2): 285-290.
16. Saha, H. K. and Ghosh, R. 2020. Effect of sublethal doses of Cypermethrin on the haemocytes of *Periplaneta americana* (Dictyoptera: Blattidae). *The Heritage An academic Journal* (VII): 82-90.
17. Saha, H. K and Das, S. 2020. Seasonal pattern and Species composition of ants “Hymenoptera: Formicidae” in and around Serampore, Hoogly, West Bengal. *Entomology and Applied Science Letters* 7(4): 83-88.
18. Saha, H. K. 2021. Review the relationship between reproductive cycle and ecosystem management of acridids. *International Journal of Entomology Research* 6 (1): 22-26.
19. Saha, H. K. 2022. A review on urban biodiversity protection in relation with high species diversity and variety of valuable ecosystem services. *The Heritage An academic Journal* (IX): 54-59.
20. Saha, H. K., Chanda, S. 2023. Observations on the life cycle and nymphal development of *Odontomantis planiceps* (Mantodea: Mantidae). *International Journal of Entomology Research* 8 (11): 34-38.
21. Saha, H. K., Chanda, S. 2023. Study on behaviours of different life stages of *Odontomantis planiceps* (Mantodea: Mantidae). *International Journal of Entomology Research* 8 (12): 23-26.
22. Saha, H. K., Mukherjee, S. 2024. Observations on the life cycle and developmental stages of *Lucilia cuprina* (Order: Diptera; Family: Calliphoridae) on Rohu carp. *International Journal of Entomology Research* 9 (10): 131-134.

B. Published papers in Seminars/Symposia/Conferences: Nil

C. Published Books / Chapters in Books:

1. Saha, H.K. and P, Halder. 2018. Role of acridids in conservation and management of forest ecosystem. **Entomology: Current status and future strategies**. Ganguly & Naskar, New Delhi. Pages: 39-47. ISBN: 978-93-5124-940-5(HB).

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

1. Saha, H. K, 2013. Grasshopper as indicator for forest ecosystem health. UGC Sponsored National Conference on Biodiversity: Interrelationship between flora, fauna and human on 29th & 30th September Organised by Mrinalini Datta Mahavidyapith, Birati, Kolkata. Abstract: Oral Presentation-63.
2. Das, J.; Ghosh, L.K and Saha, H.K. 2015. A preliminary study on diversity of aquatic insects in freshwater Santragachi Jheel, Howrah, West Bengal. One day National seminar on: Recent Advances in Life Science in the Light of Chemistry organized by the Department of Chemistry, Bethune College, Kolkata on 9th September, 2016.
3. Saha, H.K. and Hembrom, V.K. 2018. Comparative diversity of insects in various habitats at Kathikund, Dumka, Jharkhand. Proceedings of National Seminar on Urban Biodiversity: Documentation and Conservation Organised by the Department of Botany, Bethune College, Kolkata on 6th & 7th March, 2018, PP 1.
4. Roychowdhury, P.; Sengupta, M; Roy, P; Ghosh, S and Saha, H.K. 2018. Urban animal biodiversity: Behavioural paradigm of Ex-situ conservation. Proceedings of National Seminar on Urban Biodiversity: Documentation and Conservation Organised by the Department of Botany, Bethune College, Kolkata on 6th & 7th March, 2018, PP 20.
5. Halder, S. and Saha, H.K. 2018. A preliminary account of aphids (Homoptera: Aphididae) infesting medicinal plants in Hooghly district and its adjoining areas of West Bengal, India. International Seminar on: Frontiers in Biological Science on 30th January, 2018, PP24.
6. Saha, H.K. and Islam, L. 2018. Diversity of insects in the South Park Street Cemetery, Kolkata, West Bengal. Proceedings of National Seminar on Urban Biodiversity: Documentation and Conservation Organised by the Department of Botany, Bethune College, Kolkata on 6th & 7th March, 2018, PP 25.

E. Participation in OP/RC/FIP/FDP:

Name of the Course	Place	Duration	Sponsoring Agency
87 th Orientation Programme	ASC, The University of Burdwan	08.04.2012 to 31.08.2012	UGC
Refreshers course in Inter-disciplinary Research using Nanoscience and Nanotechnology	Jadavpur University	09.03.2015 to 28.03.2015	UGC
Refreshers course in Life Science (Inter-disciplinary) ONLINE	University of North Bengal	03.03.2021 to 03.16.2021	UGC-HRDC
Refresher Course in Recent Advancements in Biological Science	ASC, The University of Burdwan	16-08-2019 to 29-08-2019	UGC-HRDC

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➤ **Membership of Learned Societies/ Editorial Boards, etc. (if any):** Nil

➤ **Patents (if any):** Nil

➤ **Awards (if any):**

1. Qualified National Eligibility Test (NET) (LS in 2006).
2. Qualified GATE in 2004

➤ **Other notable activities (if any):**

1. Past academic and administrative activity.
2. Related to social work. Etc.
