

Curriculum Vitae

Dr. Soumyajit Chowdhury

Address: P1/1B, Garia Park, Kolkata - 700084, West Bengal, India

Mobile: +91 9477158572

Res: (033) 24302584

Email: wildlifesc@gmail.com

Date of Birth: 25th January 1977

Academic Affiliation

Assistant Professor, Department of Zoology, MUC Women's College, Burdwan

Areas of Expertise and Research Interests

- a) Biodiversity, Ecosystem and Community Ecology
 - b) Diversity and Ecology of Indian Lepidoptera and Odonata
 - c) Ecology of Mangrove and Coastal Environments
 - d) Landscape Ecology, Habitat Modifications and Biodiversity Loss
-

Education

- a) **PhD** in Science - School of Oceanographic Studies, Jadavpur University [2012]
(Thesis Title: *Ecology of Fiddler Crabs in Sundarban Mangrove Ecosystem, West Bengal, India*)
 - b) **M.Sc** (First Class: 65.8%) – Zoology, University of Calcutta [2001]
 - c) **B.Sc** (First Class: 60.5%) – Zoology, University of Calcutta [1999]
 - d) **H.S.** (First Division: 69.5%) – Science, W.B.C.H.S.E [1996]
 - e) **S.E.** [Madhyamik] (First Division: 81.9%) – Science, W.B.B.S.E [1994]
-

Awards

- a) LECTURESHIP-NET (2001); Council of Scientific and Industrial Research, Human Resource Development Group, New Delhi.
 - b) Merit Certificate (National Scholarship Scheme) in the Higher Secondary Examination, West Bengal (1999); Education Directorate, Govt. of West Bengal.
 - c) Merit Certificate (National Scholarship Scheme) in the Madhyamik Pariksha, West Bengal (1998); Education Directorate, Govt. of West Bengal.
-

Other Affiliations

- a) *Guest Faculty*,
Dept. of Environmental Science, University of Calcutta
 - b) *Editor*,
Biome India “Online Compendium of Conservation Planning and Ecoregions of India”
Web: www.biomeindia.org
 - c) *Member of the Lepidoptera Expert Group*,
Flutterers “Online Resource Base for Indian Lepidoptera (Butterflies & Moths)”
Web: www.flutters.org
-

Research Experience

a) Diversity and Ecology of Lepidopteran fauna of eastern and north-eastern India

- Exploration and mapping of Butterflies in the Protected Parks and Gardens of West Bengal and North-East India (Sikkim and Meghalaya)
- Behavioural Ecology of Butterflies and their mode of interaction with host and nectar plants

b) Diversity and Ecology of Avian fauna of West Bengal

- Avian diversity and habitat mapping in coastal and inland ecosystems of West Bengal

c) Ecology of Mangrove Ecosystems in Indian Sundarbans

- Habitat and population ecology of fiddler crabs and their ecosystem services in mangrove ecosystems of Sundarbans (Doctoral study)
- Diversity and community ecology of insect fauna, with special reference to Lepidoptera and odonata
- Assessment of mangrove floral diversity and their folivory by insect fauna

d) “BIOME INDIA” web-project (www.biomeindia.org)

- Web-based compendium on the ecosystem-based *in situ* conservation approaches in India
 - Awareness and education programme towards the classification and networking of different Conservation Regions of India
-

Publications

(a) International Journals:

1. **Chowdhury, S.** 2014. Butterflies of Sundarban Biosphere Reserve, West Bengal, Eastern India: A Preliminary Survey of their Taxonomic Diversity, Ecology and their Conservation. *Journal of Threatened Taxa*, 6(8): 6082 – 6093.
 2. Barik, J. and **S. Chowdhury**. 2014. True mangroves of the deltaic Sundarbans, West Bengal, India: A Revised Species List. *Checklist*, 10(2): 329 – 334.
-

3. **Chowdhury, S.** and R. Soren. 2011. Light attracted butterflies: A Review from the Indian sub-region with an inventory from West Bengal, India. *Journal of Threatened Taxa*, 3(6): 1868 – 1871.
4. **Chowdhury, S.** and R. Soren. 2011. Butterfly Fauna of East Calcutta Wetlands, West Bengal, India. *Checklist*, 7(6): 700 - 703.
5. Soren, R. and **S. Chowdhury**. 2011. Spider Nectivory by *Phintella vittata* Koch (Salticidae: Araneae) from the extra-floral nectaries of *Urena lobata* L. from the Indian Region. *Current Science*, 100(8): 1123.
6. **Chowdhury, S.**, P. Sanyal, S. Hazra and J. Mukherjee. 2010. Ecological contributions of fiddler crabs towards the sustenance of Sundarban Mangroves: A biotic influence in disaster management. *Asian Studies*, XXVIII (2): 88-93.
7. **Chowdhury, S.**, R. Soren and S. Patra. 2009. *Ixora chinensis* Lam.: A New Host Plant for Common Silverline (*Spindasis vulcanus* Fabricius, Lepidoptera: Lycaenidae) from West Bengal. *Journal of Bombay Natural History Society*, 106(3): 348.
8. **Chowdhury, S.** and R. Soren. 2009. Rediscovery of Small Salmon Arab, *Colotis amata* Fabricius from Saline and Semi-Saline Areas of West Bengal, India. *Journal of Threatened Taxa*, 1(6): 351 – 352.

(b) National Journals:

9. **Chowdhury, S.**, P. Sanyal, J. Mukherjee and S. Hazra. 2011. Fiddler crabs: Trophic interactions in intertidal marshes with special reference to the mangrove ecosystems of Indian Sundarbans. *Journal of Interacademia*, 15(4): 739 - 747.
10. **Chowdhury, S.**, A. Sanyal and A. Chatterjee. 2008. Avian Diversity of Lothian Island Wildlife Sanctuary, West Bengal. *Journal of Environment and Sociobiology*, 5 (2): 127 – 133.

(c) Refereed Book Chapters:

1. **Chowdhury, S.** 2015. Indication of Habitat Quality and Environmental Health by Fiddler Crabs (*Uca*: Ocypodidae): A Potential Bioindicator for Mangrove Ecosystems (In P.D. Gupta (ed.) *Coherence, Seminar Edition: Vol 1, Issue 2*). The Bhawanipur Education Society College, Kolkata. Pp. 50-56.
2. **Chowdhury, S.** 2015. *Literature Survey and Bibliographic Analysis of Butterfly Fauna (Lepidoptera: Glossata) from West Bengal, India* (In V.K. Gupta and A.K. Verma (eds.) *Animal Diversity, Natural History and Conservation: Vol. 4*). Daya Publishing House, New Delhi. Pp. 123-136.
3. **Chowdhury, S.** 2015. *Conservation Land: An Integrated Conceptual Framework towards the in situ Biodiversity Conservations in India* (In V.K. Gupta and A.K. Verma (eds.) *Animal Diversity, Natural History and Conservation: Vol. 5*). Daya Publishing House, New Delhi. Pp. 227 – 250.
4. **Chowdhury, S.** 2013. *Fiddler Crabs, Bioturbation and Ecosystem Engineering* (In V.K. Gupta and A.K. Verma (eds.) *Animal Diversity, Natural History and Conservation: Vol. 2*). Daya Publishing House, New Delhi. Pp. 181-192.

(d) Proceedings/Workshops:

5. **Chowdhury, S.**, P. Sanyal, S. Hazra and J. Mukherjee. 2010. Ecological contributions of fiddler crabs towards the sustenance of Sundarban Mangroves: A biotic influence in disaster management. Annual Workshop on “Disaster Management”, Netaji Institute for Asian Studies, Kolkata, February, 26.
6. **Chowdhury, S.** 2008. Global Warming Affects Fiddler Crabs. *Proceedings on Humboldt Kolleg on Global Warming in context to the Indian Subcontinent*, Humboldt Club Calcutta, December, 11 – 13.

(e) Newsletters and other Periodicals:

7. Nag, S., P. S. Ghose and **S. Chowdhury**. 2013. Butterflies attracted to Light at Night from Gangtok, Sikkim. *Bugs R All (Newsletter of the Invertebrate Conservation and Information Network of South Asia)*, No. 20, September.
8. **Chowdhury, S.** and R. Soren. 2011. An uncommon evasive strategy of *Tajuria jehana* Moore (Lepidoptera: Lycaenidae) observed in Chintamoni Kar Bird Sanctuary, West Bengal, India. *Bionotes*, 13(3): 119.
9. Soren, R. and **S. Chowdhury**. 2011. Additions to Spider Fauna of Chintamoni Kar Bird Sanctuary, West Bengal, India. *Bionotes*, 13 (1): 28.
10. **Chowdhury, S.** 2010. Further Additions to Butterfly Fauna of Chintamoni Kar Wildlife Sanctuary, West Bengal, India. *Bionotes*, 12(4): 124.
11. Soren, R. and **S. Chowdhury**. 2010. Spider Fauna of Chintamoni Kar Bird Sanctuary, West Bengal, India. *Bionotes*, 12(3): 103.
12. **Chowdhury, S.** and R. Soren. 2008. Common Banded Awl found laying eggs on *Derris indica* in Indian Botanic Gardens, Howrah, West Bengal. *Indian Lepidoptera*, 8: 2008.9.
13. Chowdhury (Pal), D. and **S. Chowdhury**. 2007. Butterfly Fauna in the Mudiali Ecological Park, Kolkata, West Bengal. *Bionotes*, 9 (1): 25.
14. **Chowdhury, S.** and R. P. Das. 2007. Diversity of Butterflies in the Indian Botanic Garden, West Bengal. *Bionotes*, 9 (4): 131 – 132.
15. **Chowdhury, S.** and S. Sarkar. 2007. Black Rajah (*Charaxes dolon* Fabricius) Butterfly sighted in East Calcutta Wetlands, West Bengal. *Indian Lepidoptera*, 2007.11.
16. **Chowdhury, S.** and D. Chowdhury (Pal). 2006. Additions to the Butterfly Fauna of Chintamoni Kar Bird Sanctuary, West Bengal. *Bionotes*, 8(3): 68.
17. **Chowdhury, S.** and D. Chowdhury (Pal). 2006. On the Butterfly Fauna of Chintamoni Kar Bird Sanctuary, West Bengal. *Bionotes*, 8(1): 127-128.
18. **Chowdhury, S.** and D. Chowdhury (Pal). 2005. A List of the Birds of Narendrapur Wildlife Sanctuary, West Bengal. *Bionotes*, 7(4): 127-128.
19. Mitra, B., **S. Chowdhury**, D. Chowdhury, D. Banerjee, R. M. Sharma. 2005. Insect Diversity of Andaman and Nicobar Islands. *Bionotes*, 7(3): 82-83.

20. **Chowdhury, S.** 2004. An observation on the resident birds of Bolpur, West Bengal. *Bionotes*, 6(4): 104-105.

(e) Poster presentations:

21. **Chowdhury, S.** 2015. Indication of Habitat Quality and Environmental Health by Fiddler Crabs (*Uca*: Ocypodidae): A Potential Bioindicator for Mangrove Ecosystems. *UGC – Sponsored State-Level Seminar on Environmental Pollution: Causes, Impacts & Control*. The Bhawanipur Education Society College, Kolkata in collaboration with IAPQR, Kolkata.
22. Chakrabarti, P. and **S. Chowdhury**. 2008. A Preliminary Survey of Butterfly (Lepidoptera: Rhopalocera) Fauna of Jayanti, Buxa Tiger Reserve, West Bengal. *Nat. Sem. On Faunal Diversity: Status, Utilization and Impact on Human Health*. Dept. of Zoology, University of Calcutta.

Training Courses/Workshops/Seminars

- | | |
|---|--|
| 1. Professional Skill Development for Teachers and Researchers
<i>Faculty Development Programme</i> , Department of Biotechnology, Heritage Institute of Technology under the purview of TEQIP-II, Kolkata. | 2016
(Apr 11-15)
HIT, Kolkata |
| 2. Environmental Pollution: Causes, Impacts & Control
<i>UGC – Sponsored State-Level Seminar</i> , Bhawanipur Education Society College in collaboration with IAPQR, Kolkata. | 2015
(Apr, 25)
Kolkata |
| 3. Combating Climate Change in C40 Megacities
<i>International Symposium</i> , U.S. Consulate in Kolkata and South Asian Forum for Environment (SAFE), Kolkata. | 2015
(Apr, 22)
Kolkata |
| 4. Sundarbans Pavilion
<i>Seminar</i> , WWF-India, Kolkata and Indian Institute of Science Education and Research, Mohanpur, Nadia. | 2011
(Apr 13-14)
Mohanpur,
Nadia |
| 5. Water and Future of India
<i>Seminar</i> , Sea Explorer's Institute, Kolkata and School of Oceanographic Studies, Jadavpur University, Kolkata. | 2011
(Mar 10)
Kolkata |
| 6. Disaster Management
<i>Annual Workshop</i> , Netaji Institute for Asian Studies, Kolkata. | 2010
(Feb 26)
Kolkata |
| 7. Global Warming in contrast to the Indian Subcontinent
Humboldt Kolleg, Humboldt Club Calcutta. | 2008
(Dec 11-13)
Puri, Orissa |
| 8. Faunal Diversity: Status, Utilization and Impact on Human Health
<i>National Seminar</i> , Dept. of Zoology, University of Calcutta, Kolkata. | 2008
(Feb 16)
Kolkata |
| 9. 7th All India Exhibition on Nature Photography | 2004 |

	Jadavpur Viveknagar Nature Lovers' Association, Gaganendra Pradashashala (Kolkata Tathyakendra), Kolkata	(Oct 14-16) Kolkata
10.	<i>Mangrove Based Aquaculture/Agriculture/Ecology</i> Training Course, Central Inland Fisheries Institute, Kolkata Centre.	2004 (Sep 14-23) Kolkata
11.	<i>Environmental Awareness and Wildlife Conservation</i> Training Course, Zoological Survey of India, Kolkata	2003 (Feb 24- 27) Kolkata
12.	<i>Field Ornithology</i> Training Course, Zoological Survey of India, Kolkata	2002 (Jan 15-18) Kolkata
13.	<i>Collection, Preservation and Identification of Insects and Mites of Economic Importance</i> Training Course, Zoological Survey of India, Kolkata	2001 (Jan 9-15) Kolkata

Public Outreach Experience

1. Training on biodiversity documentation and People's Biodiversity Register (PBR) methods organized by Vijaygarh Jyotish Ray College, Kolkata. February 25-27, 2017. Venue: Chilkigarh Sacred Grove and Village, Jhargram, West Bengal.
 2. Regional Coordinator for West-Bengal region under the 'Free Sparrow-nest Distribution' initiative of Mahiru Foundation, Gujarat, 2013.
 3. Training on Insect Sampling and Field Census Techniques, "UGC-Sponsored Wildlife Conservation and Awareness Programme" organised by Maulana Azad College. February, 2011. Venue: RKM Campus, Narendrapur, Kolkata.
 4. Training to amateur enthusiasts about Floral and Faunal diversity, "NATURE WATCH PROGRAMME" organised by Prakriti Samsad. October, 2010. Venue: Chintamoni Kar Bird Sanctuary, Kolkata.
-

Invited Lectures

(a) Seminars / Symposiums/Workshops

- | | | |
|----|---|------------------------------------|
| 1. | <i>Miniscule Wildlife: Macro Photography in Nature</i>
Photography Seminar on 175 th World Photographic Day, Vijaygarh Jyotish Ray College, Kolkata | 2014
(Aug 19)
Kolkata |
| 2. | <i>Ecological Contributions of Fiddler Crabs towards the Sustenance of Mangrove Forests of Sundarbans</i>
Annual Workshop on "Disaster Management", Netaji Institute for Asian Studies, Kolkata | 2010
(Feb 26)
Kolkata |
| 3. | <i>Habitat Destruction and Sundarban Butterflies: The Case of Small Salmon Arab (Colotis amata Fab)</i> | 2009
(Dec 18-20) |

Humboldt Kolleg on “Global Warming and Sundarbans”, Humboldt Club Calcutta

Sundarbans

4. ***Global Warming Affects Fiddler Crabs*** **2008**
Humboldt Kolleg on “Global Warming in context to the Indian Subcontinent”, Humboldt Club Calcutta (Dec 11–13)
Puri, Orissa

(b) Popular Lectures

5. ***Paschimbanglay Himaloyer Porijayi Pakhi (Migratory Birds from Himalayas to Bengal)*** **2012**
“Popular Science Lectures (Gyan-Bigyan)”, All India Radio, Akashbani Bhavan, Kolkata (Dec 20)
Kolkata
6. ***Banglar Horin (Deers of Bengal)*** **2011**
“Popular Science Lectures (Gyan-Bigyan)”, All India Radio, Akashbani Bhavan, Kolkata (Oct 26)
Kolkata
7. ***The Dwindling Ecosystem of Cherrapunjee and its Winged Jewels*** **2011**
“Popular Talks”, Prakriti Samsad, Kolkata (Aug 27)
Kolkata
8. ***Banglar Projapoti (Butterflies of Bengal)*** **2011**
“Popular Science Lectures (Gyan-Bigyan)”, All India Radio, Akashbani Bhavan, Kolkata (June 27)
Kolkata
9. ***Fiddler Crabs of Sundarbans*** **2009**
“Popular Talks”, Prakriti Samsad, Kolkata (July 25)
Kolkata
10. ***Butterflies Around us and Butterflies as Eco-indicators*** **2009**
“Popular Science Lectures”, Goethe-Institut, Max Mueller Bhavan, Kolkata (Apr 9)
and Humboldt Club Calcutta. Kolkata

Referee for Scientific Journals

1. ***Journal of Medicinal Plant Research*** (an open access journal publishing articles in all areas of Medicinal Plants research, Ethnopharmacology, Fitoterapia, Phytomedicine etc.)
2. ***Checklist*** (bimonthly peer-review online journal, devoted to publishing lists of species and notes on the geographic distribution of any taxon)

Society Memberships

1. Social, Environmental and Biological Association (SEBA), Kolkata; *Life Member*
-

Interests and Hobbies

- **Nature and Wildlife Photography**, with proficiency in Macro and Landscape Photography
 - ◇ *Published in several online and print media, and exhibitions*
 - Web-designing and graphics
 - Collection of Marine and Freshwater Molluscan Shells
 - Exploration-travelling around rural and wild expanses of Indian subcontinent; writing for travel magazines.
-