

DR.SOUMENDRANATH CHATTERJEE
Professor of Zoology
The University of Burdwan
Burdwan-713104
West Bengal, India



EDUCATIONAL QUALIFICATION:

B.Sc. (Hons.) in Zoology (The University of Burdwan)-1st Class

M.Sc.in Zoology (The University of Burdwan)-1st Class

Ph.D in Science (Zoology) -The University of Burdwan.

Title of Ph.D thesis: Studies on *Anopheles subpictus* in relation to malaria transmission in a rural area of West Bengal, India

Post-Doctoral Fellowship: I.C.M.R Project [Topic: Studies on the Ecology of Filarial Vector and Lymphatic Filariasis in the Coastal areas of Digha, West Bengal.]

TEACHING AND RESEARCH EXPERIENCE:

Assistant Professor	The University of Burdwan [2006]
Assistant Professor [Stage 2]	The University of Burdwan [2010]
Assistant Professor [Stage 3]	The University of Burdwan [2015]
Associate Professor [Open Post]	The University of Burdwan [2016]
Professor	The University of Burdwan [2019]

SPECIALIZATION AND RESEARCH FIELD:

Parasitology, Microbiology and Vector Biology

SERVED AS:

- ❖ Head, Department of Zoology [The University of Burdwan]
- ❖ Professor-in-Charge, Department of Nutrition and Public Health [The University of Burdwan]
- ❖ Member of Executive Council [The University of Burdwan]
- ❖ Lecturer and Head, Department of Microbiology [Rabindra Mahavidyalaya, West Bengal]

SERVED AS:

Guest Lecturer:

- ❖ Department of Zoology (P.G), University of Kalyani, Kalyani, West Bengal (4 years)
- ❖ Department of Microbiology (P.G.), The University of Burdwan, Burdwan, West Bengal (5 years)
- ❖ Department of Environmental Science, Tarakeswar Degree College, Tarakeswar, Hooghly, West Bengal (2 years)

AWARD OBTAINED:

- ❖ Robert Koch Memorial Award [2006]
- ❖ Swami Vivekananda Science Award [2012]
- ❖ Green Mates Award [2014]
- ❖ Fellow of Zoological Society of India [2016]
- ❖ Fellow of National Environmental Science Academy [2020]

SCHOLARSHIP OBTAINED:

- ❖ Merit Scholarship and National Scholarship

FELLOWSHIPS OBTAINED:

- ❖ Junior & Senior Research Fellowship [Burdwan University]
- ❖ Senior Research Fellowship [Indian Council of Medical Research]

SERVED AS RESEARCH SUPERVISOR:

- ❖ **NUMBER OF RESEARCH SCHOLARS SUPERVISED [AWARDED Ph.D. DEGREE]: 20**
- ❖ **NUMBER OF SCHOLARS SUPERVISED [AWARDED M.Phil. DEGREE]: 04**

PUBLICATION:

RESEARCH PAPERS PUBLISHED: 132

BOOK CHAPTER: 06

SERVED AS A MEMBER OF ACADEMIC BODIES:

- ❖ **U.G. and P.G Board of Studies in Zoology [The University of Burdwan]**
- ❖ **U.G. Board of studies in Nutrition and P.G. Board of Studies of Nutrition and Public Health [The University of Burdwan]**
- ❖ **Board of Research Studies (BRS) in Zoology and Physiology [The University of Burdwan]**
- ❖ **Post-Graduate Board of Studies ((PGBS) in Zoology [University of Kalyani]**
- ❖ **Research Advisory Committee in Zoology [Sidho KanhoVirsha University, Purulia, West Bengal]**
- ❖ **Research Advisory Committee in Zoology and Physiology [Gour-Banga University, Malda, West Bengal]**
- ❖ **Research Advisory Committee in Zoology [Diamond Harbour Womens` University, Diamond Harbour, West Bengal]**

ADMINISTRATIVE/ACADEMIC EXPERIENCE:

SERVED AS :

- ❖ **Director (Addl. Charge) [B.K.C. Rural Technology Centre (BKCTC), The University of Burdwan]**
- ❖ **Part-Time Superintendent (Addl. Charge) [Vivekananda Hostel, Burdwan University]**
- ❖ **NSS Programme Officer [The University of Burdwan]**
- ❖ **Governing Body Member [Memari College, Purbasthali College, Hooghly Mohsin College and Government General Degree College, Singur, Hooghly]**

SERVED AS JOINT-CO-ORDINATOR OF WINTER SCHOOL /REFRESHER COURSE [UGC HRDC DEPARTMENT, THE UNIVERSITY OF BURDWAN]:

- ❖ **Winter School: *Biological Science* [2017]**
- ❖ **Refresher Course: *Environment Planning and Management* [2018]**
- ❖ **Refresher Course: *Natural and Biosciences* [2020]**
- ❖ **Refresher Course: *Trends in Life-Sciences Industry* [2021]**

PROJECTS HANDLED:

- ❖ **WBDSTBT PROJECT: Breeding Habitat Characterization of filaria Vector *Culex quinquefasciatus* (Diptera: Culicidae) mosquitoes occurring in coastal areas of Digha, West Bengal and their bio-environmental Management [Department of Science and Technology and Biotechnology, Govt. of West Bengal]**
- ❖ **UGC MAJOR RESEARCH PROJECT: Diversity of bacterial pathogens of malaria vectors in endemic areas of the Sundarbans, West Bengal, India**
- ❖ **UGC MINOR RESEARCH PROJECT: Studies on Dengue vector *Stegomyia aegypti* (= *Aedes aegypti*) and its control by bacterial insecticides**

- ❖ **DOE PROJECT:** Taxonomy, distribution and larval habitat of *Aedes* mosquitoes (Diptera: Culicidae) in Kolkata metropolis and adjoining areas with study of the environmental impacts on this group [Department of Environment, Govt. of West Bengal].
- ❖ **DOE PROJECT:** Population dynamics of agricultural soil microbes and diversity of indigenous *Bacillus thuringiensis* virulent against rice pests in Singur of West Bengal [Department of Agriculture, Govt. of West Bengal]
- ❖ **WBBB PROJECT:** Inventorization of Sacred Grove in Burdwan District of West Bengal [West Bengal Biodiversity Board, Department of Environment, Govt. of West Bengal]
- ❖ **I.C.M.R PROJECT:** Studies on the Ecology of Filarial Vector and Lymphatic Filariasis in the Coastal areas of Digha, West Bengal
- ❖ **YSA PROJECT:** Studies on the Diversity and Ecology of Bacterial flora in Natural Environment of Soil and their role in Mosquito Control [Govt. of India for Year of Scientific Awareness]

REFRESHER/ORIENTATION/SHORT-TERM/TRAINING/WORKSHOP COMPLETED:

- ❖ **SUMMER SCHOOL:**
 - **Geospatial Technologies and Application under NRDMS Programme in DST'** [The University of Burdwan]
- ❖ **ORIENTATION PROGRAMME:**
 - **UGC sponsored Orientation Programme** [Jadavpur University]
- ❖ **SHORT-TERM COURSE:**
 - **Integrated Pest Management** [Zoological Society of Calcutta & Ramakrishna Ashram Krishi-Vigyan Kendra]
 - **Techniques of Microbiology** [CRRI, Cuttack]
 - **Water Quality Analysis** [The University of Calcutta and Good Earth Enviro Care, Kolkata]
 - **Bioinformatics** [IIT, Kharagpur]
 - **Statistical Modeling** [IIT, Khargpur]
 - **Genomics, Proteomics and Metabolomics** [IIT, Khargpur]
- ❖ **TRAINING COURSE/WORKSHOP:**
 - **Scanning Electron Microscopy** [The University of Burdwan]
 - **Dairy Microbiology** [Vishakha Dairy, Visakhapatnam]
 - **Sewage Treatment** [Sewage Treatment Plant, Visakhapatnam]
 - **Molecular Biology** [Andhra University]
 - **SPSS Programme** [IIT, Kharagpur, Kolkata Campus]
 - **Fermentation Technology** [J.P. University, Himachal Pradesh]
 - **Techniques of Vector- Control** [V.C.R.C., Pondicherry]
 - **Workshop on Digital Initiatives for Higher Education under SWAYAM** [The University of Burdwan]
 - **Workshop on NAAC and National Institutional Ranking Framework** [The University of Burdwan]

INVITED LECTURE DELIVERED IN OTHER COUNTRY:

Key Note Address on “Mosquito-Borne Diseases and their Management” In Medical Entomology and Vector Biology Session of 20th International Biennial Conference and AGM of Zoological Society of Bangladesh on “The Blue Economy : Bangladesh Perspective” [2017]

INTERNATIONAL CONFERENCE ATTENDED AND PAPER PRESENTED:

- ❖ *Global Meet on Parasitic diseases* [Indian Society of Parasitology and co-sponsored by Malaria Foundation Inc. U.S.A held at New Delhi-1996]
- ❖ *International Conference on Environment and Development* [Science City, Kolkata-2004]
- ❖ *II- Global Meet on Parasitic Diseases* [Secunderabad-1997]
- ❖ *Golden Jubilee International Seminar: Researches in Zoology –Basic and Applied* [Department of Zoology, The University of Burdwan, Burdwan-2010]
- ❖ *Exploring the Modern Approach in Biological Science: From Genome to Organism* [Department of Zoology, Sidho-Kanho-Birsha University, Purulia] Ninth All India Congress of Zoology [Department of Zoology, Burdwan University-1995]

NATIONAL CONFERENCE ATTENDED/ PAPER PRESENTED:

- ❖ *Third West Bengal Science Congress* [Burdwan University-1996]
- ❖ *XVth National Symposium on Reproductive Biology and Comparative Endocrinology* [Department of Zoology, Burdwan University-1997]
- ❖ *Recent Environmental Changes- Its Impact on Health, Agriculture, and Ecosystem* [Dept. of Environmental Science, Kalyani University-2003]
- ❖ *National Symposium on Zoology - A Neorealistic Approach* [Department of Zoology, University of Calcutta-2004]
- ❖ *Nature Needs Proper Feedback* [Rabindra Mahavidyalaya, Hooghly-2004]
- ❖ *Molecules To Man* [Department of Zoology, The University of Burdwan-2005]
- ❖ *Evolutionary Biology and Biotechnology* [The Zoological Society, Kolkata and Department of Zoology, University of Calcutta-2005]
- ❖ *Current Researches in Plants and Microbial Sciences* [The Department of Botany, Burdwan University-2005]
- ❖ *Bioremediation* [Burdwan Raj College-2006]
- ❖ *Environmental Management* [Asansol Engineering College, Asansol, Burdwan-2007]
- ❖ *19th All India Congress of Zoology; National Zoology Congress, on the focal theme “Biodiversity and Human Welfare* [Department of Zoology, Gauhati University, Gauhati, Assam-2008]
- ❖ *16th PachimBanga RajyaVigyan and Projukti Congress* [The University of Burdwan, Burdwan-2009]
- ❖ *National Seminar cum Exposition: Modern Microscopes and their Applications* [University Science Instrumentation Centre, The University of Burdwan-2010]
- ❖ *Golden Jubilee Seminar Lecture Series: Basic and Applied Microbiology* [Department of Microbiology, The University of Burdwan- 2010]
- ❖ *22nd National Conference on Parasitology* [Department of Zoology of Kalyani University, Kalyani, Nadia, West Bengal-2010]
- ❖ *Challenges of Biology in the 21st Century* [Department of Botany, M.U.C Women`s College, Burdwan-2011]
- ❖ *Aquaculture and Probiotics* [Department of Zoology, The University of Burdwan, Burdwan-2011]
- ❖ *Essence of Medicinal Plants: its cultivation, conservation and sustainable exploitation* [Vivekananda Mahavidyalay, Haripal, Hooghly-2011]
- ❖ *Frontiers in Molecular Biology and Workshop on Basic Flow-cytometry* [Department of Zoology-2012.]

- ❖ National Conference on Challenges in Biodiversity and Resource Management [Department of Zoology, University of Kalyani-2013]
- ❖ 20th West Bengal State Science & Technology Congress-2013 [Bengal Engineering and Science & Technology Council and Department, Government of West Bengal-2013]
- ❖ National Conference on Biodiversity-Issues, Concern and Future strategies [West Bengal Biodiversity Board (Department of Environment, Govt. of West Bengal) held at Science City, Kolkata-2014]
- ❖ National Seminar on Current Research in Biological and Biomedical Sciences [Department of Zoology, University of GourBanga, Maldah-2016].

LIFE MEMBER:

- ❖ *Association of Microbiologists of India*
- ❖ *Indian Society for Parasitology*
- ❖ *Zoological Society of Calcutta*
- ❖ *Association For Advancement of Entomology*
- ❖ *National Environmental Science Academy*

ACTED AS MANAGING EDITOR:

Proceedings of the 22nd National Congress of Parasitology, 2011 (ISBN: 978-95-3-5067-220) Department of Zoology, University of Kalyani, Kalyani, West Bengal

ACTED AS REVIEWER OF JOURNALS:

Acta-Tropica (Elsevier); Proceedings of National Academy of Science, India, Sect. B Biol.Sci. (Springer); Journal of Parasitic Diseases (Springer); Proceedings of Zoological Society (Springer); African Journal of Biotechnology (Academic Journal)

COMMUNICATING ADDRESS:

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