

# RESUME

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



## **ACADEMIC QUALIFICATIONS:**

**B.Sc.(Hons.) in Zoology** ( The University of Burdwan)-**1<sup>st</sup> Class**

**M.Sc.in Zoology** (The University of Burdwan)-**1<sup>st</sup> Class**

**Ph.D in Science (Zoology)** -The University of Burdwan (**1998**).

**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.[23.09.1998-22.03.2000]**

## **SPECIALIZATION AND RESEARCH FIELD:**

**Parasitology, Microbiology and Vector Biology**

## **Experience Profile (Both Academic & Research):**

<b>Name of the Employer</b>	<b>Period of service</b>	<b>Designation</b>
<b>The University of Burdwan</b>	<b>05/06/2006-04/06/2010</b>	<b>Lecturer Re-designated as Assistant Professor with effect from 05/06/2006</b>
<b>The University of Burdwan</b>	<b>05/06/2010-04/06/2015</b>	<b>Assistant Professor [Stage 2]</b>
<b>The University of Burdwan</b>	<b>05/06/2015-31/07/2016</b>	<b>Assistant Professor [Stage 3]</b>
<b>The University of Burdwan</b>	<b>01/08/2016 to 31/07/2019</b>	<b>Associate Professor [ Through Open Post]</b>
<b>The University of Burdwan</b>	<b>01/08/2019 to continuing</b>	<b>Professor</b>

**Served as Head of the Department of Zoology, The University of Burdwan from 27<sup>th</sup> February, 2019 to 26<sup>th</sup> February, 2021**

**Served as a Member of Executive Council, The University of Burdwan**

**Served as Lecturer and Head:**

**Lecturer and Head, Department of Microbiology, RabindraMahavidyalaya, Champadanga, Hooghly, West Bengal -3 years (Since 01.07.2003 to 03.06.2006).**

**Served as Guest-Lecturer:**

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

**SCHOLARSHIP OBTAINED:** Merit Scholarship and National Scholarship

**FELLOWSHIPS OBTAINED:** Junior & Senior Research Fellowship (Burdwan University) and Senior Research Fellowship (Indian Council of Medical Research)

**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

**PROJECTS HANDLED:**

Title of the project	Year /Duration	Sponsoring authority
Studies on the Ecology of Filarial Vector and Lymphatic Filariasis in the Coastal areas of Digha, West Bengal.	Completed [23.9.98.- 22.03.2000]	I.C.M.R
Studies on the Diversity and Ecology of Bacterial flora in Natural Environment of Soil and their role in Mosquito Control	2004	Govt. of India for Year of Scientific Awareness
Studies on Dengue vector <i>Stegomyia aegypti</i> (=Aedes aegypti) and its control by bacterial insecticides	14.11.2008 – 31.03.2010	UGC Minor Research Project
Diversity of bacterial pathogens of malaria vectors in endemic areas of the Sundarbans, West Bengal, India(42-513/2013(SR) dated 22.3.2013)-(Principal Investigator) (42-513/2013(SR) dated 22.03.2013)	Completed 3 Years [April 01, 2013- March 31, 2017]	UGC Major Research 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(EN/P/973/T-VIII-2/035/2012)-(Principal Investigator)(EN/P/973/T-VIII-2/035/2012 dated 08.04.2013 & 1763-EN/P/T-VIII-2/011/2015 dated 14.07.2015)	Completed 3 Years [April 08, 2013- March 31, 2016]	Department of Environment (D.O.E), Govt. of West Bengal
Population dynamics of agricultural soil microbes and diversity of indigenous <i>Bacillus thuringiensis</i> virulent against rice pests in Singur of West Bengal	Completed 18 months [October 27, 2013- February 28,2015]	Department of Agriculture, Govt. of West Bengal

<b>Inventorization of Sacred Grove in Burdwan District of West Bengal [Ref.no. 491/5K(Bio)-6/2017 dated 29.06.2017]</b>	<b>20.09.2017 – 19.03.2019 Completed</b>	<b>West Bengal Biodiversity Board</b>
<b>Breeding habitat characterization of filarial vector Culex quinquefasciatus in the coastal areas of Digha and its bio-environmental management.</b>	<b>19/02/2019-ongoing</b>	<b>W.B.D.S.T</b>

**RESEARCH GUIDANCE :**

<b>Name of Candidate</b>	<b>Title of thesis</b>	<b>Degree Awarded</b>
<b>Dipanwita Das [R-Ph.D/Regn/Zoo/Sc/379] -Single Supervision</b>	<b>Studies on Aedes aegypti (Linnaeus) occurring in Kolkata, India and its control by soil bacteria</b>	<b>Ph.D. degree awarded [Date of Award-20.03.2013]</b>
<b>Dipanwita Das [R-Ph.D/Regn/Zoo/Sc/415] -Joint Supervision</b>	<b>A study on phytochemical and bacterial control of Culex quinquefasciatus Say, 1823)-</b>	<b>Ph.D. degree awarded [Date of Award-05.03.2014]</b>
<b>Debraj Biswal [R-Ph.D/Regn/Zoo/Sc/393] -Joint Supervision</b>	<b>On some aspects of Biochemistry of Cotugniacuneata (Meggit,1924) (Cestoda: Davanidae) and its interaction with the bacterial flora of the host, Columba liviadomestica.</b>	<b>Ph.D. degree awarded [Date of Award-08.09.2014]</b>
<b>Priyanka Maji [R-Ph.D/Regn/Zoo/Sc/398] -Joint Supervision</b>	<b>Characterization of symbiotic bacteria from larvae of Drosophila species and their impact on fly development</b>	<b>Ph.D. degree awarded [Date of Award-24.12.2014]</b>
<b>TuhinSubhra Ghosh [R-Ph.D/Regn/Zoo/Sc/387] Joint-Supervision</b>	<b>Characterization of indigenous Bacillus thuringiensis virulent against rice-leaf folders and stem borers</b>	<b>Ph.D. degree awarded [Date of Award-02.09.2016]</b>
<b>Priyanka Das [R-Ph.D/Regn/Zoo/Sc/563] Joint-Supervision</b>	<b>Isolation and characterization of salt stress tolerant genes from marine bacteria along the East coast of India</b>	<b>Ph.D. degree awarded [ Date of Award-23.06.2017]</b>
<b>Uttiya Dey [R-Ph.D/Regn/SC/Env.Sc/92 /1(3)] Joint-Supervision</b>	<b>An Innovative Approach towards Bioremediation with Isolation and Molecular Characterization of Arsenic Resistant Bacteria from Arsenic Contaminated Areas of Purbasthali, Burdwan, West Bengal</b>	<b>Ph.D. degree awarded [Date of Award-01.09.2017]</b>
<b>Syed Afrin Azmi [R-Ph.D/Regn./Zoo/SC/187 /1(4)] -Single Supervision</b>	<b>Seasonal diversity and characterization of Bacillus spp. affecting larvae of Culex quinquefasciatus at coastal areas of Digha, West Bengal, India</b>	<b>Ph.D. degree awarded [Date of Award-13.03.2018]</b>
<b>Milita Roy [R-Ph.D/Regn./Zoo/Sc/386] and [R-Ph.D/Regn./Zoo/Sc/95 /1(3)]- Joint-Supervision</b>	<b>Studies on ecology of Culex tritaeniorhynchus Giles (Diptera: Culicidae) and its control by bacterial insecticides</b>	<b>Ph.D. degree awarded [Date of Award-11.04.2018]</b>

<b>Arunima Charaborty</b> [R.Ph.D/Regn/SC/Zoo/270 /1(4)] -Single Supervision	<b>Characterization of the larval microhabitats of the dengue vector <i>Aedes albopictus</i> (skuse), occurring in Burdwan of West Bengal, India.</b>	<b>Ph.D. degree awarded [ Date of Award- 09.07.2018]</b>
<b>Priyanka Mukhopadhyay</b> [No.R.Ph.D/Regn/SC/Zoo/271 /1(4)] - Joint-Supervision	<b>Characterization of <i>Bacillus thuringiensis</i> pathogenic to <i>Anopheles sondaicus</i> (Rodenwaldt) in south-eastern region of the Sundarbans, West Bengal, India</b>	<b>Ph.D. degree awarded [ Date of Award- 27.08.2018]</b>
<b>Sreenita Ghosh</b> [No.R.Ph.D./Regn./SC/Zoology/246/1(3)]- Joint-Supervision	<b>Some aspects of biochemistry and histochemistry of <i>Raillietina tetragona</i> (Molin, 1858) (Cestoda: Davaineidae) and characterization of intestinal bacterial flora of the host, <i>Gallus domesticus</i></b>	<b>Ph.D. degree awarded [ Date of Award- 15.02.2021]</b>

**NUMBER OF Ph.D SCHOLARS CONDUCTING RESEARCH WORKS UNDER SUPERVISION: Five**

**SUPERVISED STUDENTS WHO HAVE BEEN AWARDED M. Phil DEGREE:**

**Lopamudra Dutta (Topic: Microbial diversity in forest soil of Bankura district, West Bengal, with special reference to spore-forming bacteria)**

**Debraj Roy (Topic: Microbiological examination of street-vended foods and dishwashing water in Burdwan with special reference to coliforms.)**

**Monoj Chatterjee (Topic: Molecular characterization of *Culex quinquefasciatus* in relation to Filariasis)**

**Jyotirindra Nath Ghosh (Topic: Molecular characterization of *Aedes aegypti* in relation to vector-borne diseases)**

**Orientation Course:**

**Participated UGC sponsored Orientation Programme (28.01.2008-25.02.2008) organized by UGC Academic Staff College, Jadavpur University, Jadavpur and Obtained Grade -A.**

**Certificate course:**

**Attended and successfully completed Two Month Certificate Course on Water Quality Analysis (1st January, 2005 to 3rd March, 2005) conducted jointly by The University of Calcutta and Good Earth Enviro Care, Kolkata and awarded Grade-A (89%).**

**Summer School:**

**GEOMATICS-2012, 21-Day "Summer Training Programme on Geospatial Technologies and Application under NRDMS Programme in DST" (15th May to 4th June, 2012) held at the Department of Geography, The University of Burdwan, Golapbag, Burdwan, West Bengal.**

**Training /Workshop/Short-term courses:**

<b>INSTITUTION</b>	<b>TOPIC OF WORK</b>	<b>YEAR</b>
The University of Burdwan	Training on Scanning Electron Microscopy	1996
Organized by Zoological Society of Calcutta & Ramakrishna Ashram KrishiVigyan Kendra.	Training course on Integrated Pest Management. Nimpith, Recognized by C.S.I.R.), held at Ramakrishna AshramKrishi. V.Kendra, Nimpith, West Bengal.	1996
Central Rice Research Institute(C.R.R.I), Cuttack, Orissa	Training on various Instrumentation in relation to Microbiology regarding Isolation, Characterization and Utilization of Microbial flora of Natural Environment and their role as pathogens for Control of Insect- Pests and Disease –Vectors.	2003
Rice Research Station Chinsurah, and Hooghly	Training on Mushroom Cultivation	2004
Microbiology Unit Biochemistry Department Andhra University Visakhapatnam	Training on Molecular Biology (Gel Electrophoretic Separation of DNA and Plasmid isolation and Purification)	2005
Vishakha Dairy	Training on Dairy Microbiology	2005
25 MLD Sewage Treatment Plant, Visakhapatnam.	Training on Sewage Treatment	2005
Department of Biotechnology The University of Burdwan	Workshop on Vermicomposting	2008
Indian Institute of Technology (IIT), Kharagpur	Bioinformatics in Genomics and Proteomics	2009
University of North Bengal	Workshop on Bioinformatics	2010
J.P. University, Himachal Pradesh	Fermentation Technology	2010
Indian Institute of Technology (IIT), Kharagpur, West Bengal	Bioinformatics in Genomics, Proteomics and Metabolomics	2010
Indian Institute of Technology (IIT), Kharagpur, Kolkata Campus, West Bengal	S.P.S.S Programme	2012
Vector Control Research Centre (V.C.R.C), Pondicherry	Techniques of Vector- Control	2012

<b>One-Day Workshop on the Digital Initiatives for Higher Education under SWAYAM</b>	<b>Digital Learning Monitoring Cell, The University of Burdwan</b>	<b>9<sup>th</sup> July, 2018</b>
<b>UGC –Human Resource Development Centre</b>	<b>One day workshop on NAAC and National Institutional Ranking Framework</b>	<b>15<sup>th</sup> May, 2019</b>

## **PUBLICATIONS:**

1. Seal M and **Chatterjee SN. (2021)**. Laboratory studies on ovipositional preferences of malaria vector *Anopheles subpictus* prevalent in Hooghly district, West Bengal, India. **Journal of Medical Arthropodology & Public Health 1(12):** 135-162.
2. Seal M, Kunda P, Dhal PK, Mondal DR, Dangar TK, Panigrahi AK, Pattanaik S, **Chatterjee SN (2021)**. Phenotypic & Molecular Characterizations of Hemolytic and Penicillin Resistant *Bacillus cereus* and its control by Plant Extracts. **Proceedings of National Academy of Sciences (Springer)** p:1-9. doi: <https://doi.org/10.1007/s40011-021-01255-w>. **(I.F:0.396)**.
3. Bhattacharya R, Chatterjee A, **Chatterjee SN**, Saha NC. **(2021)**. Acute toxicity and sublethal effects of sodium laureth sulfate on oxidative stress enzymes in benthic oligochaete worm, *Tubifex tubifex*. **Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology (Elsevier)**. 243:108998. doi: <https://doi.org/10.1016/j.cbpc.2021.108998> **(I.F:2.892)**.
4. Ghosh S, Nayak T, Dhal PK, Dangar TK, **Chatterjee SN. (2021)**. Characterization of Plant Growth Promoting *Bacillus subtilis* (VBKT5) Isolated from Vermicompost. **Research & Reviews: A Journal of Life Sciences 11(1):**12–21. doi: 0.37591/RRJoLS.
5. Chatterjee A, Bhattacharya R, **Chatterjee SN**, Saha NC. **(2021)**. Acute toxicity of organophosphate pesticide profenofos, pyrethroid pesticide  $\lambda$  cyhalothrin and biopesticide azadirachtin and their sublethal effects on growth and oxidative stress enzymes in benthic oligochaete worm, *Tubifex tubifex*. **Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology (Elsevier)**. **242:** 108943. doi: <https://doi.org/10.1016/j.cbpc.2020.108943> **(I.F:2.892)**.
6. Roy M, **Chatterjee SN** and Dangar TK (2021). Characterization and mosquitocidal potency of a *Bacillus thuringiensis* strain of rice field soil of Burdwan, West Bengal, India. **Microbial Pathogenesis. 158 :** 105093 **(I.F. : 3.738)**
7. Bhattacharya R, Chatterjee A, **Chatterjee SN**, Saha NC. **(2021)**. Oxidative stress in benthic oligochaete worm, *Tubifex tubifex* induced by sublethal exposure to a cationic surfactant cetylpyridinium chloride and an anionic surfactant sodium dodecyl sulfate. **Comparative**

**Biochemistry and Physiology Part C: Toxicology & Pharmacology (Elsevier). 240:** 108906. doi: <https://doi.org/10.1016/j.cbpc.2020.108906> (I.F:2.892).

8. Chatterjee A, Ghosh S, Bhattacharya R, **Chatterjee SN**, Saha NC. (2020). A Comprehensive Review on the Prevalence and Dissemination of Some Bacterial Diseases in Ornamental Fishes and Their Preventive Measure. **Scholars Academic Journal of Biosciences**. 8(11): 371-377. doi: <https://doi.org/10.36347/sajb.2020.v08i11.005>
9. Seal M, **Chatterjee SN** (2020). Prevalence of three mosquito vectors: *Anopheles*, *Culex* and *Aedes* in some areas of Hooghly, West Bengal, India. **Bioscience Biotechnology Research Communication** 13(1). doi: <http://dx.doi.org/10.21786/bbrc/13.1/39>
10. Roy P, **Chatterjee SN**, Saha NC, Gantait VV (2020). Characterization of a Starch Hydrolysing *Bacillus flexus* U8 Isolated from Rhizospheric Soil of the Paddy Plants. **Proceedings of the National Academy of Sciences, India Section B: Biological Sciences (Springer)** (I.F:0.396)
11. Das P, Behera BK, **Chatterjee SN**, Das BK Mohapatra T (2020). De novo transcriptome analysis of halotolerant bacterium *Staphylococcus* sp. strain P-TSB-70 isolated from East coast of India: In search of salt stress tolerant genes. **PLoS ONE (PLOS)** 15(2):e0228199. doi:<https://doi.org/10.1371/journal.pone.0228199> (I.F:2.776)
12. Das P, **Chatterjee SN**, Behera BK, Dangar TK, Das BK, Mohapatra T (2019) Isolation and characterization of marine bacteria from East Coast of India: functional screening for salt stress tolerance. **Heliyon(Cellpress)**5:e01869.doi:<https://doi.org/10.1016/j.heliyon.2019.e01869>(I.F:1.65)
13. Bandyopadhyay R, Ghosh S, **Chatterjee SN**, Mandal S (2019). Bacteriological profiling of toys and clothes of children from children's day care centre of Tarakeswar, Hooghly, West Bengal, India. **Bioscience Biotechnology Research Communication** 12(1).doi: <http://dx.doi.org/10.21786/bbrc/12.1/13>
14. Chatterjee P, Roy P, Mandal P, **Chatterjee SN** (2019). Isolation, phenotypic and molecular characterization of *Burkholderia* sp. (strain, PCS1) from maize fields exhibiting starch hydrolysis ability. **Bioscience Biotechnology Research Communication** 2(1):1-4
15. Ghosh S, Chatterjee A, Azmi S, Bandyopadhyay R, Das S, Saha NC and **Chatterjee SN** (2019). Factors influencing larvicidal activity of *Bacillus thuringiensis* against filarial vector *Culex quinquefasciatus*. **Asian Journal of Microbiology, Biotechnology and Environmental Science (Global Science Publications)** 21(2): 239-245
16. Seal M, Pahari DP, Saha NC and **Chatterjee SN** (2019). GIS Mapping and Breeding Habitat Characterization of anophelines occurring in Malaria endemic areas of Hooghly district, West Bengal, India. **Proceedings of National Academy of Sciences, India Section B: Biological Sciences (Springer)** 89:657-670 (I.F:0.396).

17. Kumar U, Kaviraj M, Panneerselvam P, Priya H, Chakraborty K, Swain P, **Chatterjee SN**, Sharma SG, Nayak PK, Nayak AK (2019). Ascorbic acid formulation for survivability and diazotrophic efficacy of *Azotobacterchroococcum* Avi2 (MCC 3432) under hydrogen peroxide stress and its role in plant-growth promotion in rice (*Oryza sativa* L.). ***Plant Physiology and Biochemistry*(Elsevier)**.139:419-427.https://doi.org/10.1016/j.plaphy. 2019.04.003 **(I.F:3.217)**
18. Azmi SA, **Chatterjee SN** (2018). Breeding habitat parameters associated with the *Culex* larval abundance in Purba Bardhaman district of West Bengal, India. ***North Bengal University Journal of Animal Sciences***.12:11-17
19. **Chatterjee SN**, Mukhopadhyay P, Chakraborty D, Dangar TK (2018). Characterization and Mosquitocidal Potency of *Bacillus thuringiensis* Isolate SB1 from the Sundarbans Mangrove, West Bengal, India. ***Proceedings of National Academy of Science (Springer)*** 88:403-409doi 10.1007/s40011-016-0773-4. **(I.F: 0.396)**
20. Bandyopadhyay R, Azmi SA, **Chatterjee SN**, Mandal S (2018). Bacteriological analysis of children's bottle water and dish washing water samples In West Bengal state, India. ***European Journal of Biomedical and Pharmaceutical sciences***.5(5):593-597. **(I.F:6.044)**
21. Roy P., Gantait VV, **Chatterjee SN** (2018). First report of the genus *Amphibelondira* (Nematoda: Belondoroidae) from India with description of *Amphibelondira wasimi* n. sp. associated with paddy. ***International Journal of Nematology* (CAB INTERNATIONAL)**. 27(1):32-37
22. Roy P, Gantait VV **Chatterjee SN** (2018). A synoptic study of nematodes associated with Indian Pine forest. ***Journal of Environment & Sociobiology* (SEBA)**.15(2):213-216
23. Mathur T, Seal M, **Chatterjee SN**, Saha NC (2017). Antimicrobial activity of newly synthesized and characterized mixed bi-heterocyclic Azo compound (3-pyridyl-azo-benzimidazole). ***Heterocyclic Letters* (Raman Publication)**.7(4):1121-1126.
24. Mathur T, Seal M, **Chatterjee SN** (2017). Synthesis, characterization and antimicrobial activity of unsymmetrical bi-heterocyclic-azo-compound (3-pyridyl-azo -adenine). ***Heterocyclic Letters* (Raman Publication)**.7(1):171-176.
25. **Chatterjee SN**, Azmi SA, Ghosh TS, Dangar TK (2017). Characterization of the *Bacillus thuringiensis* isolates virulent against rice leaf folder, *Cnaphalocrocismedinalis* (Guenee). ***Proceedings of Zoological Societies*(Springer)**. doi:10.1007/s12595-015-0161-8. **(I.F:1.676)**
26. **Chatterjee SN**, Rudra SK, Azmi SA, Bandyopadhyay R (2017). Phylogenetic study based on 28S rRNA gene sequencing of *Wuchereriabancrofti* isolated from the filaria endemic areas of Bankura district, West Bengal, India. ***Journal of Parasitic Diseases*(Springer)**.41(4): 981-986. doi:10.1007/s12639-017-0922-6. **(I.F:0.670)**



27. Bandyopadhyay R, Azmi SA, **Chatterjee SN**, Mandal S (2017). Molecular Characterization and Antibiotic Resistance of Bacteria Isolated from Food Samples from Hooghly District of West Bengal State, India". **Acta Scientific Pharmaceutical Sciences** (Acta Scientific) **1:13-18(I.F:0.759)**
28. **Chatterjee SN**, Karmakar A, Azmi SA, Barik A (2017). Antibacterial activity of long-chain primary alcohols from *Solenaam plexicaulis* Leaves. **Proceedings of Zoological Societies** (Springer) **71:313-319**. doi: 10.1007/s12595-017-0208-0. **(I.F:1.676)**
29. **Chatterjee SN**, Rudra SK, Azmi SA, Bandyopadhyay R (2017). Phylogenetic study based on 28S rRNA gene sequencing of *Wuchereria bancrofti* isolated from the filaria endemic areas of Bankura district, West Bengal, India. **Journal of Parasitic Diseases (Springer)** **41:981-986**. doi:10.1007/s12639-017-0922-6**(I.F:0.75)**
30. Batabyal S, Mukhopadhyay P, **Chatterjee SN**, Tah J, Saha NC (2017). Characterization of *Bacillus cereus* symbiotic to hemi-parasitic plant *Santalum album* L. **Biotechnology Journal International****17(2):1-8 (I.F:1.68)**
31. **Chatterjee SN**, Mukhopadhyay P, Bandyopadhyay R, Dhal P, Biswal D, Bandyopadhyay PK (2017). Molecular characterization and phylogenetic analysis of *Plasmodium vivax*, *Plasmodium falciparum*, *Plasmodium ovale*, *Plasmodium malariae* and *Plasmodium cynomolgi*. **Journal of Parasitic Diseases (Springer)**.**41:230-236**doi:10.1007/s12639-016-0783-4, 0971-7196 (I.F:0.75)
32. Ghosh TS, **Chatterjee SN**, Azmi SA, Mazumdar A, Dangar TK (2017). **Virulence assay and role of *Bacillus thuringiensis* TS110 as biocontrol agent against the larval stages of rice leaf-folder *Cnaphalocrocis medinalis***. **Journal of Parasitic Diseases (Springer)** **41:491-495**. doi: 10.1007/s12639-016-0835-9. **(I.F:0.75)**
33. Roy M, Pramanik S, **Chatterjee SN**, Aditya G (2016). Productivity of *Culex tritaeniorhynchus* in Rice Fields of West Bengal, India: Correlates of Immature and Adult Features. **1:3**. doi: 10.4172/2473-4810.1000111
34. Roy M, Pramanik S, **Chatterjee SN**, Aditya G (2016). Observations on the pupal productivity of *Culex tritaeniorhynchus* in rice fields of West Bengal, India: implications for vector management (Diptera: Culicidae). **Fragmenta Entomologica (Page Press Italy)** **48(1):69-76. (I.F:0.67)**
35. Mukhopadhyay P, **Chatterjee SN** (2016). Characterization and control of symbiotic *Bacillus cereus* isolated from the mid gut of *Anopheles subpictus* Grassi. **Journal of Parasitic Diseases (Springer)****40:1414-1421**. doi:10.1007/s12639-015-0704-y.**(I.F:0.75)**
36. Roy P, Mandal S, **Chatterjee SN**, Gantait VV (2016). A note on soil and plant parasitic nematodes associated with mulberry plants in India. **Journal of Environment and Sociobiology (SEBA)****13(2):233-243**

37. Ghosh TS, **Chatterjee SN**, Azmi SA, Dangar TK (2016). Insect diversity and extent of infestation of major rice pests in Burdwan district, West Bengal, India. **Entomon** **41(3)**:169-176. (I.F:0.07)
38. **Chatterjee SN**, Mukhopadhyay P, Bandyopadhyay R, Dhal P, Biswal D, Bandyopadhyay PK (2016). Molecular characterization and phylogenetic analysis of *Plasmodium vivax*, *Plasmodium falciparum*, *Plasmodium ovale*, *Plasmodium malariae* and *Plasmodium cynomolgi*. **Journal of Parasitic Diseases (Springer)** **41**:230-236. doi:10.1007/s12639-016-0783-4, 0971-7196. (I.F:0.75)
39. Azmi SA, **Chatterjee SN** (2016). Seasonal Fluctuation of the Population and Characterization of *Bacillus* spp. Isolated from the Coastal Soils of Digha, West Bengal, India. **International Journal of Ecology. (Hindwai Publication)** **16**:1-10. doi:10.1155/2016/7924258
40. Azmi SA, **Chatterjee SN** (2016). Population dynamics of soil bacteria in some areas of Midnapore coastal belt, West Bengal, India. **3 Biotech (Springer)** **6**:37 doi:10.1007/s13205-015-0361-y. (I.F:2.27)
41. Azmi SA, **Chatterjee SN** (2016). Characterization of the midgut bacterial isolate of *Culex quinquefasciatus* and its control by plant extracts. **Journal of Mosquito Research (Biopublisher)**. **6(5)**. doi: 10.5376/jmr.2016.06.0005. (I.F:0.13)
42. Mukhopadhyay P, **Chatterjee SN** (2016). Characterization and control of symbiotic *Bacillus cereus* isolated from the mid gut of *Anopheles subpictus* Grassi. **Journal of Parasitic Diseases (Springer)**. **40**:1414-1421. doi:10.1007/s12639-015-0704-y (I.F:0.75)
43. Das D, **Chatterjee SN**, Dangar TK (2016). Characterization and Mosquitocidal Potential of the Soil Bacteria *Aneurinibacillus aneurinilyticus* Isolated from Burdwan, West Bengal, India. **Proceedings of National Academy of Science, India, Section B Biological Sciences (Springer)** **86**:707-713. doi:10.1007/s40011-015-0510-4. (I.F:0.396)
44. Azmi SA, **Chatterjee SN** (2016). Population dynamics of soil bacteria in some coastal areas of Digha, West Bengal, India. **3 Biotech (Springer)** **6**:37. doi:10.1007/s13205-015-0361-y. (I.F:2.27)
45. Das P, Behera BK, Meena DK, Azmi SA, **Chatterjee SN**, Meena K, Sharma AP (2015). Salt stress tolerant genes in halophilic and halotolerant bacteria: Paradigm for salt stress adaptation and osmoprotection. **International Journal of Current Microbiology and Applied Sciences** **4(1)**:642-658
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49. **Chatterjee SN**, Ghosh TS, Dangar TK (2015). Characterization and Virulence of an Indigenous Soil *Bacillus* sp Prospecting for Mosquito Control. *British Biotechnology Journal* (Publons).9(4):1-10.doi.org/10.9734/BBJ/2015/2699
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53. Azmi SA, **Chatterjee SN**, Saha NC (2014). Phenotypic and Molecular Characterization of Bubble Eye Gold Fish Pathogenic Ampicillin Resistant *Bacillus Sp.* (Gf1). *International Journal of Pharma and Biosciences* (Elsevier indexed). 5(4):342– 351. (I.F:7.446)
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55. **Chatterjee SN**, Azmi SA, Mukhopadhyay B (2014). Diversity of Soil Bacteria in Some Village Areas Adjoining To Joypur Forest of Bankura District Of West Bengal, India. *International Journal of Environmental Biology* 4(1): 67-70.(I.F:0.640)
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75. **Chatterjee SN**, Chattopadhyay J, Das D, Dangar TK (2010). Natural Infection of the Plain Tiger Butterfly, *Danaus chrysippus* L. (Lepidoptera: Nymphalidae), larvae by *Pseudomonas* and *Bacillus* spp. in Hooghly district, West Bengal, India. **Journal of Applied Zoological Research** (Applied Zoologists Research Association) **21(1)**:29-32.
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89. **Chatterjee SN**, Chandra G, Dangar TK (2005). Physico chemical properties and bacteriological examination of Mundeswari river in and around Harinkhola of Hooghly district, West Bengal. **Journal of Applied Zoological Researches (Applied Zoologists Research Association) 16(2)**: 242-244.
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93. Chandra G, Rudra SK, **Chatterjee SN**, Das S (2002). Studies on Anopheline mosquitoes of Tribal and Non-Tribal areas in Bankura district, West Bengal, India. **Entomon 27 (3)**: 305-308. (I.F-0.07)

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96. **Chatterjee SN**, Chandra G, Bhoumick K, Hati AK, Banerjee BD (1998). Effect of Citronella-Neem oil Mixture on the Night-Biting Population of Mosquitoes. **Journal of Basic & Applied Biomedicine. 6(1): 31-32.**
97. **Chatterjee SN**, Chandra G (1997). Feeding pattern of *Gambusia affinis* and *Lebistes reticulatus* on *Anopheles subpictus* larvae in the laboratory and field conditions. **Journal of Applied Zoological Research (Applied Zoologists Research Association) 8(2):152-153**
98. **Chatterjee SN**, Chandra G (1997). Behaviour of *Anopheles barbirostris* before, during and after Total Solar-Eclipse. **Entomon 22(2):157-158**
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100. **Chatterjee SN**, Chandra G (1997). Laboratory trials on the feeding pattern of *Anopheles subpictus*, *Culex quinquefasciatus* and *Armigeres subalbatus* larvae by *Gambusia affinis*. **Science & Culture. (Indian Science News Association): 63(1-2): 51-52.**
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103. **Chatterjee SN**, Chandra G, Banerjee BD (1996). Effect or Neem (*Azadirachta indica*) oil on the Biting Population of *Culex vishnui* (Complex). **Journal of Basic & Applied Biomedicine 4(4): 39-41**
104. **Chatterjee SN**, Chandra G (1996). Larvicidal Role of *Clerodendron infortunatum* as intestinal toxicant of *Anopheles subpictus* Larvae. **Environment and Ecology. (MKK Publication).14 (2):473-474.**
105. Chandra G, **Chatterjee SN** (1996). Laboratory trials on the feeding pattern of *Anopheles subpictus*, *Culex quinquefasciatus* and *Armigeres subalbatus* Larvae by *Xenentodon cancila* Fry. **Environment and Ecology. (MKK Publication). 14 (1): 173-174.**

106. Chandra G, **Chatterjee SN**, Chatterjee KK, Hati AK (1994). Anophelines in an urban and a rural area of West Bengal. **Bulletin of Calcutta School of Tropical Medicine**. **42(1)**:14-15

**BOOK CHAPTER:**

107. Azmi SA, **Chatterjee SN (2019)**. A review on the role of *Bacillus thuringiensis* and *Bacillus sphaericus* in control of Filarial vector *Culex quinquefasciatus* **Microbes and their Metabolites for Sustainable Insect Pest & Vector Management**. Springer International, Switzerland (under Springer ongoing series headed by Prof. Aurelio Ciancio, CNR IPSP, Bari, Italy).
108. Seal M, Bandyopadhyay PK, Mandal DR, **Chatterjee SN (2018)**. Season wise survivality and parity status of *Anopheles subpictus* Grassi mosquitoes in relation to malaria transmission in some areas of Hooghly District, West Bengal, India. **Proc.UGC.SAP.Nat.Sem** [Editors:P.K.Bandyopadhyay, AK Panigrahi and D.Nath] Page-99-102
109. Gantait VV, Mandal S, Roy P, **Chatterjee SN (2018)**. A review on diversity and distribution of nematodes associated with paddy in West Bengal, India. In B. L. Kaul (Ed.), **Advances in Fish and Wildlife Ecology and Biology (Vol. 7)**: 305-327. New Delhi: ISBN 978-93-5124-910-8 (HB) Daya Publishing House.
110. **Chatterjee SN**, Rudra SK, Ghosh TS, Dhal PK (2011). Molecular characterization and phylogenetic analysis of mosquito pathogenic *Bacillus cereus* (HM026606).**Proceedings of 22<sup>nd</sup> National Congress of Parasitology, University of Kalyani, West Bengal (ISBN: 978-95-3-5067-220-4)**: 293-298.
111. **Chatterjee SN (2010)**. Physicochemical properties and bacteriological Examination of water of river Damodar in and around Hooghly District of West Bengal, India. **Biodiversity conservation and Management**. DPH Pvt. Ltd. New Delhi. (ISBN 978-81-8356-600-1). Page: 225-241
112. S Das, **Chatterjee SN (2010)**. Lymphatic Filariasis: A major Public health problem. *Environmental Awareness-A Need for the Hour*. **Environment Awareness**. DPH Pvt. Ltd. New Delhi. (ISBN 978-81-8356-638-4). Page: 242-283.

**INVITED LECTURE DELIVERED IN OTHER COUNTRY:**

**Key Note Address on “Mosquito-Borne Diseases and their Management” In Medical Entomology and Vector Biology Session of 20<sup>th</sup> International Biennial Conference and AGM of Zoological Society of Bangladesh on “The Blue Economy : Bangladesh Perspective” held on 9<sup>th</sup> to 10<sup>th</sup> December, 2017**



## CONFERENCES ATTENDED AND PAPER PRESENTED:

### INTERNATIONAL LEVEL:

1. **“Global Meet on Parasitic diseases”**, held on 18<sup>th</sup>-22<sup>nd</sup> March, 1996 at New Delhi, Sponsored by Indian Society of Parasitology and co-sponsored by Malaria Foundation Inc. U.S.A.; International Centre for Genetic Engineering and Biotechnology, New Delhi, India, The National Academy of Sciences, India.(Paper presented : Incrimination of Malaria Vector in Hooghly District, West Bengal, India)
2. **“II- Global Meet on Parasitic Diseases”**,held on 18<sup>th</sup> – 12<sup>th</sup> August, 1997 at Secunderabad, India.(Paper presented : Effect on Neem (*Azadirachtaindica*) oil on the biting population of *Culexvishnui*(complex)
3. **“International Conference on Environment and Development”** held on 4<sup>th</sup> – 8<sup>th</sup> February, 2004 at Science City, organized by Institute of Social Studies, Kolkata, in collaboration with Government of West Bengal and Government of India.(Paper presented : Diversity and Ecology of Bacterial Flora in soil and their role on Vector Control)
4. **“Golden Jubilee International Seminar: Researches in Zoology –Basic and Applied”**.Organized by Department of Zoology, The University of Burdwan, Burdwan, West Bengal, India during 17<sup>th</sup> March – 19<sup>th</sup> March, 2010.
5. International Seminar on **“Exploring the Modern Approach in Biological Science: From Genome to Organism”**held on 25<sup>th</sup> to 27<sup>th</sup> November,2015 Organised by Department of Zoology, Sidho-Kanho-Birsha University, Purulia (Paper presented: Characterization of soil bacteria isolated from the Sundarbans and their positive and negative interactions with mosquito vectors”.

### NATIONAL LEVEL:

1. **“Ninth All India Congress of Zoology”**, held at Zoology Department of Burdwan University in 1995, organized by the Department of Zoology, Burdwan University.
2. **“Third West Bengal Science Congress”** held at Burdwan University on and from 28.02.1996 to 01.03.1996.(Paper presented: Larvicidal Role of *Clerodendron infortunatum* as intestinal toxicant of *Anopheles subpictus* Larvae)
3. **“XVth National Symposium on Reproductive Biology and Comparative Endocrinology”** held at Zoology Department of Burdwan University on and from 23.01.1997 to 25.01.1997, organized by the Department of Zoology, Burdwan University.
4. **“Recent Environmental Changes- Its Impact on Health, Agriculture, and Ecosystem”**, Organized by Dept. of Environmental Science, Kalyani University, held on

6th-7<sup>th</sup> August, 2003.(Paper presented: Role of Spore-forming bacteria in Mosquito-control)

5. **“National Symposium on Zoology - A Neorealistic Approach”** held on 26<sup>th</sup>-27<sup>th</sup> March, 2004, Organized by Department of Zoology, University of Calcutta.(Paper presented: Bio-Environmental Control of Mosquitoes)
6. UGC Sponsored State Level Seminar **“Nature Needs Proper Feedback”** held on 24<sup>th</sup>-25<sup>th</sup> September, 2004, at RabindraMahavidyalaya, Champadanga, Hooghly.
7. National Seminar on **“Molecules To Man”** held on 24<sup>th</sup>-25<sup>th</sup> February, 2005 organized by Department of Zoology, The University of Burdwan in collaboration with The Zoological Association of Burdwan, Burdwan.(Paper presented : Microbial diversity in sandy and clay soils of two areas of Hooghly district of West Bengal, India
8. National Seminar on **“Evolutionary Biology and Biotechnology”** held on 26.02.05, organized by The Zoological Society, Kolkata in collaboration with Zoological Survey of India and Department of Zoology, University of Calcutta.
9. Vth National Conference on **“Current Researches in Plants and Microbial Sciences”** held on 26-27 November 2005, at Department of Botany, Burdwan University, organized by The Department of Botany, Burdwan University.
10. **U.G.C.** Sponsored State level Seminar on **“Bioremediation”** organized by Burdwan Raj College, held at Burdwan Raj College, Burdwan on and from 28- 29<sup>th</sup> July , 2006.
11. AICTE Sponsored National Seminar on **“Environmental Management”** organized by Asansol Engineering College, Asansol, Burdwan, West Bengal on and from 26<sup>th</sup> July to 28<sup>th</sup> July, 2007.
12. 19<sup>th</sup> All India Congress of Zoology; National Zoology Congress, on the focal theme **“Biodiversity and Human Welfare”** held at the Department of Zoology, Gauhati University, Gauhati, Assam from 29<sup>th</sup> to 31<sup>st</sup> December, 2008.
13. **16<sup>th</sup>PachimBangaRajyaVigyan and Projukti Congress**, 2009. held at University of Burdwan, Burdwan, West Bengal, India during 28<sup>th</sup> February – 9<sup>th</sup> March,2009.
14. **“National Seminar cum Exposition: Modern Microscopes and their Applications”** held at University Science Instrumentation Centre, The University of Burdwan during April 08-09, 2010.
15. **“Golden Jubilee Seminar Lecture Series: Basic and Applied Microbiology”** organized by Department of Microbiology, The University of Burdwan, held on 14<sup>th</sup> May, 2010.
16. **“22<sup>nd</sup> National Conference on Parasitology”** held in the Department of Zoology of Kalyani University, Kalyani, Nadia, West Bengal organized by Indian Society of Parasitology and Zoological Survey of India during 29<sup>th</sup>October to 1<sup>st</sup> November,2010.

17. UGC Sponsored Two Day National Seminar on “**Challenges of Biology in the 21st Century**” organized by Department of Botany, M.U.C Women`s College, Burdwan held on 1<sup>st</sup> and 2<sup>nd</sup> December 2011.
18. One-day Seminar on “**Aquaculture and Probiotics**” held on 7<sup>th</sup> December, 2011, organized by Department of Zoology, The University of Burdwan, Burdwan-713104, West Bengal, India
19. UGC sponsored National Seminar on “**Essence of Medicinal Plants: its cultivation, conservation and sustainable exploitation**” held on 9<sup>th</sup> December, 2011, organized by Vivekananda Mahavidyalay, Haripal, Hooghly, West Bengal.
20. Seminar on “**Frontiers in Molecular Biology and Workshop on Basic Flow-cytometry**” organized by Department of Zoology held on 9<sup>th</sup> July, 2012.
21. “**National Conference on Challenges in Biodiversity and Resource Management**” held on 26<sup>th</sup> and 27<sup>th</sup> February, 2013, organized by Department of Zoology, University of Kalyani, West Bengal, India, in collaboration with West Bengal Biodiversity Board, West Bengal.
22. “**20<sup>th</sup> West Bengal State Science & Technology Congress-2013**” organized by Bengal Engineering and Science & Technology Council and Department, Government of West Bengal held at the Bengal Engineering and Science University, Shibpur during February 28-March 2, 2013.
23. “**National Conference on Biodiversity-Issues, Concern and Future strategies**” organized by West Bengal Biodiversity Board (Department of Environment, Govt. of West Bengal) held at Science City, Kolkata during 16<sup>th</sup> January to 18<sup>th</sup> January, 2014.
24. “**National Seminar on Current Research in Biological and Biomedical Sciences**” held on 9<sup>th</sup> February, 2016 organized by Department of Zoology, University of GourBanga, Maldah.

***INVITED LECTURE DELIVERED:***

1. Popular Lecture on “**Biodiversity**” on 28<sup>th</sup> February, 2006 in **Science Centre** (National Council of Science Museums), Burdwan, West Bengal, India
2. Popular Lecture on “**The Global Heritage of Biodiversity**” on 2<sup>nd</sup> December, 2006 in **Science Centre** (National Council of Science Museums), Burdwan, Burdwan, West Bengal, India
3. Invited Lecture on “**Mosquito-borne and Microbial Diseases in West Bengal and their control**” on 27<sup>th</sup> March, 2010 at **Tarakeswar Degree College**, Tarakeswar, Hooghly, West Bengal, India in connection with one day Workshop of the NSS for the Celebration of Golden Jubilee Year of The University of Burdwan.
4. Invited speech on “**World Environment Day Celebration**” during June 2010 organized by Tarakeswar Vivekananda Pollyseva Kendra, Tarakeswar, Hooghly.

5. Invited Lecture on **“Parasitology”** on 7<sup>th</sup> December, 2010 at **Department of Zoology, Kalyani University, Kalyani**
6. Invited Lecture on **“Biopesticides”** on 18<sup>th</sup> January, 2011 at Sankalpa Biotech, Burdwan, organized by **Adult Continuation and Extension Department, The University of Burdwan.**
7. Invited Lecture on **“Public Health and Community Awareness”** on **Science Centre** (National Council of Science Museums, Ministry of Culture, Govt. of India), Burdwan, West Bengal on 04.02.2012 as a **Resource person in the Teachers` Training Programme.**
8. Invited Lecture on **“Vector-borne & Microbial diseases and Climate Change”** on 20<sup>th</sup> March, 2012 in **UGC sponsored National Seminar** held at **Tarakeswar Degree College, Tarakeswar, Hooghly, West Bengal, India**
9. Invited Lecture on **“Biodiversity and its Management”** on 30<sup>th</sup> March, 2012 in **UGC sponsored National Seminar** held at **Tarakeswar Degree College, Tarakeswar, Hooghly, West Bengal, India**
10. Invited Lecture on **“Malaria”** on 25<sup>th</sup> April, 2012 at **Science Centre** (National Council of Science Museums), Burdwan, West Bengal, India.
11. Invited Lecture on **“Malaria and its prevention”** on 27<sup>th</sup> April, 2013 at **Science Centre** (National Council of Science Museums), Burdwan, West Bengal, India.
12. Invited Lecture on **“Methods of Bacteria Characterization”** on 26<sup>th</sup> November, 2015 at International Seminar on **“Exploring the Modern Approach in Biological Science: From Genome to Organism”** organized by **Department of Zoology, Sidho-Kanho-Birsha University, Purulia.**
13. Invited Lecture on **“Characterization of mosquitocidal spore-forming bacteria from Sudarbans by using polyphasic taxonomic approach”** on 9<sup>th</sup> February, 2016 at **National Seminar on “Current Research in Biological and Biomedical Sciences”** organized by Department of Zoology, **University of GourBanga, Maldah**
14. Invited Lecture on **“Mosquito borne diseases in relation to Public health”** on **February, 2017 at State Level Seminar** organised by **Department of Nutrition, M.U.C Women’s College, Burdwan.**
15. Invited Lecture on **“Role of Bioinformatics in Microbial Taxonomy”** on 4<sup>th</sup> March, 2017 at **“Hands-On- Training and workshop on Microbiology”** organised by Department of Zoology, **University of GourBanga, Maldah.**
16. Invited Lecture on **“Mosquito-Borne Diseases and their Management”** on 14<sup>th</sup> December, 2017 as a part of the Health Awareness Programme conducted by the Department of Zoology, **DrubaChand Halder College( Formely Dakshin Barasat College), South 24 Parganas, West Bengal.**

17. Invited Lecture on “**Malaria, Dengue and Filaria: Problems and Preventive Remedies**” on 11<sup>th</sup> April, 2017 at Golden Jubilee Celebration of Mojpur Bharati Vidyamondir (H.S.Level), Mojpur, Tarakeswar, Hooghly
18. Invited Lecture on “**Malaria, Filaria, Dengue and Community Health:**” held on 2<sup>nd</sup> September, 2018 as a part of Science Exhibition Programme held at Tarakeswar Girls High School, Tarakeswar organized by Break-Through Science Society, Tarakeswar Unit, Hooghly
19. Invited Lecture on “**Dengue and its Prevention**” held on 17<sup>th</sup> January, 2018, at **Government General Degree College Singur**, Singur, Hooghly organized by NSS Unit, Government General Degree College Singur
20. Invited Lecture on “**Prevention of Mosquito-borne Diseases**” held on 30<sup>th</sup> November, 2018, at **Vivekananda Mahavidyalaya, Haripal, Hooghly**, Singur, Hooghly organised by NSS Unit, Vivekananda Mahavidyalaya, Haripal, Hooghly.
21. Invited Lecture on “**Awareness programme on Dengue and Mosquito-borne diseases**” held on 20<sup>th</sup> November, 2018 at **Government General Degree College Singur**, Singur, Hooghly organised by NSS Unit, Government General Degree College Singur.
22. Delivered a talk on “**Biodiversity and Indian Culture**” on Akashbani Radio (Kolkata) on 22<sup>nd</sup> May, 2020
23. Delivered an invited lecture on “**Mosquito borne diseases and their management**” in One Day State Level Webinar on “**Season of two diseases: Dengue & COVID-19**” organized by National Service Scheme, (Unit – I & Unit – II) of **Hooghly Womens` College**, Pipulpati, **Hooghly, West Bengal** on 2<sup>nd</sup> September, 2020.
24. Delivered invited lecture entitled “**Laboratory methods for culturing bacteria**” in Virtual Practical Workshop Series in Zoology on 12<sup>th</sup> June, 2021 organised by Department of Zoology & IQAC, **Government General Degree College, Singur, Hooghly**
25. Delivered invited lecture on “**Mosquito-borne diseases and their management**” through on-line mode on 03.10.2021 organized by Department of Zoology & IQAC, **Sabang Sajanikanta Mahavidyalaya**.

#### ***ACTED AS RESOURCE PERSON:***

1. “**Workshop on Microbial Techniques**” held at Rabindra Mahavidyalaya, Hooghly
2. “**Workshop on Scanning Electron Microscopy**” held at University Science Instrumentation Department of The University of Burdwan held during 26<sup>th</sup> July to 29<sup>th</sup> July, 2011.
3. “**Workshop on Scanning Electron Microscopy**” held at University Science Instrumentation Department of The University of Burdwan held during 29<sup>th</sup> February to 2<sup>nd</sup> March, 2012.
4. **Workshop in connection with “National Conference on Challenges in Biodiversity and Resource Management**” held on 26<sup>th</sup> and 27<sup>th</sup> February, 2013, organized by Department of Zoology, University of Kalyani, West Bengal, India, in collaboration with West Bengal Biodiversity Board, West Bengal.

5. **Key note Speaker in the One Work shop on “Bio-Computing and Genomics”** held on 13<sup>th</sup> October, 2018, organized by Computer Science Department, Tarakeswar Degree College, Tarakeswar, Hooghly.

#### **ORGANIZED WORKSHOP/SEMINAR/COMMUNITY OUTREACH PROGRAMME :**

1. **Workshop on “Methylene Blue Reductase Test and Acid Fast Staining”** held on 28<sup>th</sup> February, 2007 at Department of Zoology, The University of Burdwan, West Bengal.
2. **“Identification of Malarial Parasites and Malarial Vectors”** held on 25<sup>th</sup> April, 2012 **at Science Centre** (National Council of Science Museums), Burdwan, West Bengal, India.
3. Organised workshop on **“Dengue Prevention and Management”** to create awareness among school and college students, local inhabitants of Tarakeswar, Hooghly on 6<sup>th</sup> January, 2013 in the Seminar room of Tarakeswar Birla Dharmashala.
4. Organised **“Farmers Training Programme on soil preparation and integrated pest management”** at Tarakeswar Degree College, Tarakeswar, Hooghly on 12<sup>th</sup> July, 2014.

#### **CONDUCTED EDUCATIONAL TOUR :**

**ICAR-National Rice-Research Institute (NRRI), Cuttack, Odisha  
on and from 10.05.2017 to 13.05.2017**

#### **ADMINISTRATIVE/ ACADEMIC EXPERIENCES:**

**Served as Director (Addl. Charge) of B.K.C.Rural Technology Centre(BKCTC), The University of Burdwan**

##### **ORGANISED:**

- **AWARENESS PROGRAMME ON SNAKE BITE TREATMENT AND MANGEMENT**
- **COMPUTER TRAINING PROGRAMME FOR UNIVERSITY STAFF MEMBERS**

**Served as a Member of Board of Research Studies in Zoology, The University of Burdwan [Ref: R/Const/B.S.(Res)/Zoology/222(2) dated 09.06.2017]**

**Served as Member of Board of Studies, University of GourBanga, Maldah, West Bengal, India**

**Serving as Member of UGBS, Sidho Kanho Birsha University, Purulia, West Bengal, India**

**Served as Part-Time Superintendent (Additional Charge): Vivekananda Hostel, Burdwan University**

**Served from 01.06.2013- to 29.05.2017 [Ref: R/Estab/Pt.Supt./1457(II)/1(20) dated 29/05/13 and R/Estab/Pt.Supt./1293/1(6)/1 dated 29/05/17]**

**Served as NSS Programme Officer of The University of Burdwan PG NSS, Unit-1 for the Session 2016-17 [Ref. No. BU/NSS/2016-2017/7 dated 17.08.2016]**

**Served as Governing Body Member of Memari College [IC/GB/P-65/1384/1(3) dated 25.07.2016]**

**Served as a Governing Body Member of Purbasthali College [IC/GB/P-164/1247/1(3) dated 02.06.2016]**

#### **SERVED AS A MEMBER OF ACADEMIC BODIES:**

**Member of Board of Research Studies, Department of Zoology, Burdwan University**

**Member of P.G Board of Studies, Department of Zoology, Burdwan University**

**Member of U.G Board of Studies, Department of Zoology, Burdwan University**

**Member of U.G. Board of Studies, Nutrition, Burdwan University**

**ACTED AS CO-ORDINATOR: UGC Sponsored NET/SET studies (Life-Sciences)-2009, The University of Burdwan**

**Served as Joint-Co-ordinator of Winter School /Refresher Course**

- i. Winter School on “Biological Science” [HRDC/BU/COURSE/CORRS/34 dated 30.12.2016] held at UGC HRDC Department, The University of Burdwan on and from 11<sup>th</sup> January ,2017 to 31<sup>st</sup> January, 2017**
- ii. Refresher Course on “Environment Planning and Management” [HRDC/BU/WS/EPM/01 dated 26.11.2018] held at UGC HRDC Department, The University of Burdwan on and from 4<sup>th</sup> December,2018 to 24<sup>th</sup> December, 2018**
- iii. Refresher Course on “Natural and Biosciences” organized by UGC HRDC Department, The University of Burdwan on and from 24.11.2020 to 07.12.2020 through on-line mode.**
- iv. Refresher Course on “Trends in Life-Sciences Industry” organized by UGC HRDC Department, The University of Burdwan on and from 25.09.2021 to 08.10.2021 through on-line mode.**

**ACTED AS CHAIRPERSON/RAPPORTEUR IN SEMINAR:**

- 1. “22nd National Conference on Parasitology”**held in the Department of Zoology of Kalyani University, Kalyani, Nadia, West Bengal organized by Indian Society of Parasitology and Zoological Survey of India during 29th October to 1st November,2010.
- 2. International Seminar on “Exploring the Modern Approach in Biological Science: From Genome to Organism”** held on 25<sup>th</sup> to 27<sup>th</sup> November,2015 Organised by Department of Zoology, Sidho-Kanho-Birsha University, Purulia.
- 3. National Seminar on “Current Research in Biological and Biomedical Sciences”** held on 9<sup>th</sup> February,2016, organised by Department of Zoology, **University of GourBanga, Maldah**
- 4. Participated and Acted as an Expert and Advisory member on “Hands on Training Workshop on Microbial Tools and Techniques”** held at the Department of Zoology, **University of GourBanga ,Malda** during 3-7<sup>th</sup> March,2017.
- 5. Participated and Chaired a session in National Conference on “Life Sciences and Radiation Biology”** organized by **Department of Zoology, The University of Burdwan** held on 17-18th March, 2017
- 6. Participated as a Member of Organizing Committee and served as a Chairperson in a session in the “1st International Conference on Frontiers in Biological, Environmental and Medical Sciences 2018(FBEMS)”** organized by Faculty of Science under **DST PURSE (Phase 2) Programme**held during March 08-10,2018 at **The University of Burdwan**
- 7. 3<sup>rd</sup> Regional Science and Technology Congress (Western Region), 2018**Jointly organized by **Sidho-Kanho – BirshaUniversity,Purulia and Department of Science & Technology and Biotechnology (DSTBT), Government of West Bengal** during December 20-21, 2018 held at Sidho-Kanho – Birsha University,Purulia.

8. Participated and **Served as Joint Organising Secretary** for the “**2nd International Conference on Frontiers in Biological, Environmental and Medical Sciences 2019 (FBEMS)**” organized by Faculty of Science under **DST PURSE (Phase 2) Programme** held during March 07-09, 2019 at The University of Burdwan

***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 22<sup>nd</sup> 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)**

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