

## Curriculum Vitae

**Name: Dr. Biplab Bhowmik**  
**Associate Professor and Officiating Head**  
**Department of Zoology**  
**Diamondharbour Women's University**  
**Sarisha, South 24 Parganas**  
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**DOB: 02.11.1977**



**Permanent Address:** Vill+Post- Ballavpur, P.S – Bongaon, Dist – North 24 Parganas  
Pin- 743245, West Bengal, India

### Service Experiences:

**2019 June till date:** Associate Professor in the Department of Zoology; Diamond Harbour Women's University, Sarisha, West Bengal, India

**2011 July to 2019 May:** Guest Lecturer in the Department of Zoology, West Bengal State University, West Bengal, India

**2010 April to 2019 May:** Assistant Professor in the Department of Zoology; Panchakot Mahavidyalaya, West Bengal, India

**2005 April to 2010 March:** Assistant Teacher in Biological Science (Hons/PG), Barachandghar High School; West Bengal, India

### Educational qualifications:

**Ph. D. (Science) in Zoology 2006,** University of Kalyani West Bengal, India

**M. Sc. in Zoology 2001, Specialization in Parasitology,** University of Kalyani, West Bengal, India

**B. Sc. Hons. in Zoology 1999,** University of Kalyani, West Bengal, India

### Awards and Fellowships:

**2002:** Graduate Aptitude Test in Engineering (GATE)

**2003:** University Research Scholar Fellowship

## **Research Interest:**

**Area of research interest is in the field of Parasitology with special interest in Protozoology**

Three years of research experience as a Ph. D student in the field Parasitology, with special emphasize on biodiversity of Aseptate gregarines.

Last ten years engaged in the field of Parasitology, especially in Aseptate gregarine fauna, fish parasites (Ciliophorans).

## **Research Projects (as Principal Investigator):**

1. "Studies on the Biodiversity of Endoparasitic Aseptate Gregarines (Apicomplexa: Eugregarinida) from Oligochaetes of West Bengal with special reference to its surface morphology and molecular phylogeny" with sanction no and date. UGC-MRP/ PSW-118/13-14 (Completed)

## **Publications: (selected)**

1. Majumder S., **Bhowmik B.**,(2018) Dey D. Banerjee S., Ghosh S, A comparative study among three different types of productive ponds of Bankura District of W.B, India Environment and Ecology 37 (1) : 120-126 ISSN 0970-0420
2. Biswas B., Chowdhury B., **Bhowmik B.**,(2018) Sahu S., Joshi M., Paul S., Roychudhury A, Phonoxazione synthase and antimicrobial activity by a bis(1,3 diamino-2-propanolate) cobalt (III) complex Journal of Chemical Science 130:161: 0974-3626
3. **Bhowmik, B.**, (2017) Studies on Biodiversity of Snake fauna in Purulia district with special reference to Gar Panchakot and its surroundings PANCHAKOTESAYS : ISSN: 0976-4968
4. **Bhowmik, B.**, Bandyopadhyay, P.K. Mitra, A.K. Mitra., (2017) Biodiversity survey of some endoparasitic aseptate gregarines ( Protozoa: Apicomplexa: Eugregariniada)

from Earthworms (Annelida: Oligochaeta) of different district of West Bengal. Proc. UGC SAP. Nat. Sem ISBN 978-81-932401-2-0

5. **Bhowmik, B., (2017)** A treatise on free radicals in the basis of Human Life PANCHAKOTESAYS : ISSN: 0976-4968
6. Mitra, A.K., Bhowmik, B Bandyopadhyay, P.K. , Ghosh S., (2017) Records of two species of Ectoparasitic Protozoan Parasites of the genus *Tripatiella* ( Lom 1959) from Mozambique Tilapia, *Oreochromis Mozambicus* I Murshidabad, West Bengal. Proc. UGC SAP. Nat. Sem ISBN 978-81-932401-2-0
7. **Bhowmik, B., Bandyopadhyay, P.K., (2016)** *Monocystis julkae* sp.nov., (Protista: Apicomplexa: Monocystidae) a new aseptate gregarine species of the genus *Monocystis* Stein, 1848 obtain from an Indian Earthworm, *Eutyphoeus kherai* , Julka, 1978 J parasit Dis. 2017Mar.41(1):112-116
8. **Bhowmik, B., Mitra, A.K., Bandyopadhyay, P.K. (2013)** Studies on the Biodiversity of Endoparasitic Aseptate Gregarines(Prtozoa: Apicomplexa: Eugregarinida from earthworms (Annelida: Oligochaeta) of West Bengal, “ National conference on challenges in biodiversity and resource management”. ISBN 978-81-927762-0-0
9. **Bhowmik, B., Bandyopadhyay, P.K. Mitra, A.K. (2012)** *Apolocystis cognetti* sp.nov. (Apicomplexa : Monocystinae ) a new aseptate gregarine species from the earthworm *Amyntus hawaynus* ( Annelida : Oligochaeta) from West Bengal, India. J parasit Dis. DOI 10.1007/s 12639-012-0105-4
10. Mitra , A.K., Bandyopadhyay, P.K., Yingchun Gong, Goswami, M., **Bhowmik, B.** (2012) “Dscription of two new species of ectoparasitic Trichodina Erhenberg, 1830 (Cilliophora: Trichodinnidae) from freshwater fishes in the river Ganges, India.” J parasit Dis. DOI 10.1007/s 12639-012-0126-z

11. Mitra, A.K., Bandyopadhyay, P.K., Yingchun Gong, **Bhowmik, B.** (2011) Occurrence of Trichodinid Ciliophorans (Ciliophora : Peritrichida) in the freshwater fishes of the river Churni with description of *Trichodina glossogobae* sp. Nov. in West Bengal, India. J parasit Dis. DOI 10.1007/s 12639-012-0105-4
12. **Bhowmik, B.**, Mitra, A.K., Bandyopadhyay, P.K. (2011) Studies on the biodiversity of aseptate gregarines from the oligochaetes of West Bengal. 22<sup>nd</sup> NCP
13. Bandyopadhyay, P.K., Mitra, A.K., **Bhowmik, B** (2006) *Nematocystis indicus* sp. Nov. (Protozoa: Monocystidae) from an Indian earthworm Bandyopadhyay, P.K.) *Perionyx excacavatus* (Perrier) Zootaxa. 1296: 63-68
14. Bandyopadhyay, P.K<sup>1</sup>., Gocmen, **Bhowmik; B.<sup>1</sup>**, Mitra; A.K<sup>1</sup>. (2006). A new species of *Monocystis* Stein, 1848 (Protista: Apicomplexa, Eugregarinida) from the Indian earthworm *Amyntus hawaynus* Rosa, 1891 (Annelid: Oligochaeta) Acta Parasitologica Turcica. 30 (2) : 155-157
15. Bandyopadhyay, P.K., **Bhowmik, B.**, Mitra, A.K. (2005) Observation on a new species of *Monocystis* Stein, 1848 (Protozoa: Apicomplexa, Monocystidae) *Monocystis levinei* sp.nov.; from an Indian earthworm ( Annelida : Oligochaeta) *Eutyphoeus incommodus*. Zootaxa. 1016: 15-19

**Book chapter:**

1. **Bhowmik, B.**, (2013) Role of Biopesticides in Indian Agricultural system, “Green chemistry and sustainable agriculture” ISBN: 978-81-921697-3-6

**Edited Book (with ISBN): 01**

“Green Chemistry and Sustainable Agriculture Practices: A step towards a better Future”, Ed. **Tanmay Chattopadhyay and Biplab Bhowmik**(ISBN: 978-81-921697-3-6

**Seminar, symposium attended: (Selected)**

Sl. No.	Title of the paper presented	Title of Conference/ Seminar	Organized by	Whether International/ National/State/ Regional/College or University level	IQAC remark YEAR
<b>01</b>	Seasonal incidence of "Tripartiella Bulbosa, Lom, 1959.....Oreochromis Mossambicus in West Bengal"	ISCB 2018 International Symposium on Ciliate Biology 2018	International society of Protistologists	International	<b>2018</b>
<b>02</b>	Biodiversity of endoparasite..... Of West Bengal	UGC- SAP national National Seminar on Effect of Climate change on Faunal Diversity	University of Kalyani	National	<b>2017</b>
<b>03</b>	Preparation of Ag-Cuo nanoparticle... shows excellent antimicrobial activity	International seminar on Exploring the modern Approach in Biological Science: From Genome to Organism	Sidho Kanho Birsha University and SEBA	International	<b>2015</b>
<b>04</b>	Description of a new species of endoparasitic aseptate gregarines from.....India	Second Asian congress of Parasitology	University of Kalyani	International	<b>2014</b>
<b>05</b>	Studies on the biodiversity of aseptate gregarine( Protozoa: Apicomplexa: Eugregarinida from earthworms (Annelida Oligochaeta) of West Bengal	National conference on Challenges in Biodiversity and resource management.	University of Kalyani & Biodiversity Board	National	<b>2013</b>
<b>06</b>	Trichodinid Ciliophorans of the genus Tripartiella.... From the gills of a fresh water fish Labeorohita	National symposium on Challenges in Biodiversity conservation and sustainability	Department of Zoology, University of Allahabad	National	<b>2012</b>
<b>07</b>	Climate change and its impacts on Biodiversity	Climate change and its impacts on common People	Acchuram Memorial college, Jhalda.Purulia	National	<b>2012</b>
<b>08</b>	Biodiversity study of endoparasitic aseptate gregarines (Protozoa: Apicomplexa: Eugregarinida) From Earthworms of West Bengal	Recent trends in zoology with special emphasis on animal diversity, Fisheries and genetics	Kulti College, Burdwan	National	<b>2011</b>
<b>09</b>	Studies on the biodiversity of aseptate gregarines from the Oligochaetes of West Bengal	22 <sup>nd</sup> national congress of Parasitology "Advances in Parasitology: A novel approach towards disease free world	Department of Zoology, University of Kalyani, in collaboration with ISP and ZSI	National	<b>2010</b>

**Workshop attended:**

1. National workshop on Animal Care, Handling and Management, organised by Department of Zoology and Institutional Animal Ethics Committee, University of Kalyani, during the period 23<sup>rd</sup> March to 31<sup>st</sup> March 2018
2. Tools and techniques used in ciliates studies, India Habitat Centre , Delhi on 6<sup>th</sup> April 2018
3. Workshop on framing of semester based UG syllabi as per Choice Based Credit System (CBCS) Organised by Sidho- Kanho-Birsha University

**Professional and other experiences:**

1. Member UG Board of Studies, S.K.B. University, 2012- till now
2. Former Secretary, Teacher's Council, Panchakot Mahavidyalaya, Neturia, sarbari, Purulia