

Dr. Abhisek Basu
M.Sc, M.Phil, Ph.D

Assistant Professor
Behala College

Moblie-9674839187

email: basuabhisek99@gmail.com

Research Interest- Ecology and Conservation

Academic Qualification:

M.P. to Post-Graduation

Examination Passed	Board/University	Percentage of Marks Obtained
Madhyamik Pariksha	WBBSE	88.60
Higher Secondary (10+2)	WBCHSE	85.10
B.Sc. (Zoology Hons.)	University of North Bengal	66.00
M.Sc. (Zoology)	University of Calcutta	74.30

M.Phil and Ph.D

Degree	Year	University	Title of the Thesis
M.Phil (Zoology)	2008	The University of Burdwan	Bacterial Association of Chironomine Larvae with Reference to Feeding Habit and Bioindicator Potential(Diptera:Chironmidae:Chironominae)
Ph.D	2015	University of Calcutta	Ichthyofaunistic Resources of Indigenous Ornamental Species in the Terai-Duars Region of North Bengal and Eco-Bilology of a Species <i>Puntius sophore</i> (Ham.)

Foreign Language Proficiency:

Language	Course Passed	Awarding Institute
German	Advance	The Ramakrishna Institute of Culture (School of Languages)
German	Senior Certificate	The Ramakrishna Institute of Culture (School of Languages)
German	Communicative	The Ramakrishna Institute of Culture (School of Languages)

Teaching Experience-**Total Teaching experience: 12 Years 6 Months****Courses taught- Undergraduate and Post-graduate****In Current Institution: - 18.01.2017 to till date****In Other Institution(s) prior to Joining the Current Institution:**

Post Served	Institute	Duration
Lecturer (PTT, Govt. Approved)	Victoria Institution (College), Kolkata	July,2008 to January, 2017
Guest Lecturer	Victoria Institution (College), Kolkata	December, 2006 to March, 2008
Part-time Lecturer	Dhruba Chand Halder College	November,2006 to February, 2008

Other Teaching involvement-

Course taught	Designation	Institute	Duration
Post-Graduation course in Zoology	Visiting Faculty	Post-Graduate Dept. of Zoology, Serampore College.	2018 to present
Post-Graduation course in Zoology	Visiting Faculty	Post-Graduate Dept. of Zoology, Ramakrishna Mission Vivekananda Centenary College	2018 to 2021

Academic Assignments served:

Assignment Served	Subject	Name of the Institute	Year
Examiner and Scrutineer	B.Sc. Zoology (Theory and Practical; Honours and General Course)	University of Calcutta	2014- to till date
Examiner and Paper setter	Theory and Practical	University of Calcutta	2018 to till date
Examiner and Scrutineer	Fundamental in Science and Technology (B.Sc.) -Home Assignments	Netaji Subhas Open University	2013 -2015
External Examiner	B.Sc. Zoology Practical Examination	Netaji Subhas Open University	2015
Examiner and Scrutineer	Biological Sciences	Tripura Joint Entrance Examination Board	2008-2012

Research Experience:**Research Interest**

- Diversity and Habitat Exploration of Indigenous Ichthyofaunal resources of Ornamental value
- Eco-Biology (Feeding and Reproductive Biology) of Indigenous Fish Fauna in relation to sustainable economic exploration and conservation
- Exploration of Digestive Enzymes and Gut Associated Microbial Symbionts in relation to feeding habit in Indigenous Fish species
- Eco-biology of Chironomid Larvae

List of Publications-

Research Article-

Basu, A., Dutta, D., Banerjee, S. 2012. Indigenous ornamental fishes of west Bengal. Recent Research in Science and Technology. 4(11): 12-21. **(ISSN: 2076-5061)**

Sanyal, S., **Basu, A.,** Banerjee, S. 2011. Drug Resistance Profiles of Coliforms from Sewage Exposed Fish. World Journal of Fish and Marine Sciences. 3(4):275-282. **(ISSN: 2078-4589)**

Basu, A., Ghosh, K., Hazra, N., Mazumdar, A. 2010. Association of exoenzyme-producing bacteria with Chironomid larvae (Diptera: Chironomidae) in relation to the feeding habit. Entomologia Generalis. 32(3): 227-235. **(ISSN: 0171-8177)**
(Impact Factor, 2010: 0.167)

Basu, A. Hazra, N., Ghosh, K. 2010. Bioindicator potentiality of the Chironomine larvae (Diptera: Chironomidae) for determination of antibiotic resistant bacterial load of the aquatic ecosystem. Proc. Zool. Soc. 63(2): 79-86. **(ISSN: 0373-5893)**

Sanyal, S., **Basu, A.,** Banerjee, S. 2010. Occurrence and antibiotic susceptibility among coliform bacteria isolated from sewage exposed fish. Recent Research in Science and Technology. 2(3): 42-47. **(ISSN: 2076-5061)**

Paul, M., Gupta, S., **Basu, A.,** Banerjee, S. 2010. Indigenous ornamental fish resource of Darjeeling district. Environ. and Ecol. 28(2A): 991-996.
(ISSN: 0970-0420)

Book Chapter-

Sanyal, S., **Basu, A.,** Banerjee, S. 2011. Occurrence and Antibiotic Susceptibility of Bacteriological Indices Isolated from Fish Cultured in Waste Fed Wet Land. In Diversification of Aquaculture (Sinha, A., Datta, S. and Mahapatra, B.K. Eds.). Narendra Publishing House. New Delhi. pp. 201-209 **(ISBN: 9789380428536)**

Hazra, N. and **Basu, A.** 2014. Microbial Association of Chironomid Larvae (Diptera). GRIN Verlag.

Basu, A. 2016. Indigenous Ornamental Fish Resources of West Bengal in the book 'Wetlands: Crisis & Options'. **(ISBN: 9788185211985)**. Astral International Pvt. Ltd. New Delhi- 110 002.

List of Seminar/ Conference/ Symposium attended and/or paper presented-

- 6th India Biodiversity Meet -2019 (International Conference). Organised by Indian Statistical Institute. 14-16 February, 2019.
- Golden Jubilee International Conference on Trends in Zoology. Organised by Department of Zoology, the University of Burdwan. January 3-4, 2019.
- 3rd Regional Science and Technology Congress (southern Region), 2018. Organised by Department of Science and Technology and Biotechnology, government of west Bengal. December 18-19, 2018.
- INTOZOOCON 2018: An International Conference to celebrate 100 Years of excellence, Department of Zoology, University of Calcutta. Organised by Department of Zoology, University of Calcutta. February 1-3, 2018.
- "National Seminar on Environmental Issues" organised by Vivekananda College for Women, Barisha, Kolkata. April 6-7, 2018.
- International Symposium on Culture Based Fisheries in Inland Open Waters & 29th All India Congress of Zoology (29th AICZ) & International Satellite Symposium on Fish Immunology. Organised by Inland Fisheries Society of India (IFSI), Barrackpore Zoological Society of India (ZSI), Bodh Gaya ICAR-Central Inland Fisheries Research Institute, Barrackpore. June 9-11, 2017.
- Seminar on Sustainable environment & Healthcare, Organised by Dr Tarak Nath Podder Memorial Foundation in Collaboration with Department of Zoology, Calcutta University, June 5th, 2017.
- UGC Sponsored National Conference on Biophysics: Impact on Today's Society. Organised by Victoria Institution (College). September 7-8, 2016.
- International Conference on Aquatic Resources & Sustainable Management. Organised by Central Calcutta Science and Culture Organisation for Youth in Collaboration with University of Calcutta. February 17-19, 2016.
- 22nd West Bengal Science and Technology Congress 2015. Organised by Organised by West Bengal State Council of Science and Technology and North Bengal University, Siliguri. February 28 – March 1, 2015.
- One day seminar on "Ecological Modelling and analysis". Organised by Department of Zoology, University of Calcutta. March 1, 2014.

■ UGC-DRS Sponsored National Seminar “Bioprospecting of Natural Products”. Organized by Department of Zoology (UGC-DRS & DST-FIST Sponsored), The University of Burdwan. December 5 – 6, 2013.

■ National Symposium On Man, Animal and Environment Interaction in the Perspective of Modern Research. Organised by UGC-SAP and DST-FIST Assisted Department of Zoology, University Of North Bengal. March 08-09, 2013.

100th Indian Science Congress. Held at Calcutta University, Kolkata. January 3-7, 2013.

■ National Symposium on Research in Animal Science: Development and Evaluation (Sponsored by CSIR, UGC (Merge Scheme) & UGC-SAP. Organised by Department of Zoology, University of North Bengal. March 19-20, 2012.

■ 19th West Bengal Science and Technology Congress 2012. Organised by West Bengal State Council of Science and Technology and Saha Institute of Nuclear Physics, Kolkata. March 1-2, 2012.

■ One-Day Seminar On “Aquaculture & Probiotics”. Organised by Department of Zoology, University Of Burdwan. December 7, 2011.

■ Brainstorming Conference towards a Consortium on Biodiversity Research in Eastern Himalayas and Eastern Ghats. Organised by Department of Zoology, University of Calcutta. April 9-12, 2011.

■ One-Day Satellite Symposium On “Biodiversity: Technology Domains and Spatial Scale Analysis”. Organised by Department of Zoology, University of Calcutta. March 30, 2011.

■ 18th West Bengal Science and Technology Congress 2011. Organised by West Bengal State Council of Science and Ramkrishna Mission Residential College (Autonomous), Narendrapur, Kolkata. February 28 – March 1, 2011.

■ National Conference on Evaluation of Biodiversity of Eastern Himalaya and Adjoining Plains. Organised by Department of Zoology, University of North Bengal. December 1-4, 2010.

■ Seminar on Biological Thoughts: Micro to Macro. Organised By Department of Zoology, University of Calcutta. February 9, 2010.

■ Seminar for the Selection of S.P. Raychaudhuri Memorial Medal, held in the Department of Zoology, University of Calcutta. Organised by The Zoological Society, Kolkata. December 11, 2010.

■ National Seminar on Diversity of Aquaculture through Locally Available Fish Species (DALAF- 2010). Organised by Central Institute of Fisheries Education, Kolkata centre. August 27-28, 2010.

■ Golden Jubilee International Seminar- “Researches in Zoology- Basic and Applied”. Organised by Department of Zoology, University of Burdwan. March 17-19, 2010.

■ 17th West Bengal Science and Technology Congress 2010. Organised by West Bengal State Council of Science and Technology and West Bengal University of Animal and Fishery Sciences, Kolkata. March 4-5, 2010.

■ 16th West Bengal Science and Technology Congress 2009. Organised by West Bengal State Council of Science and Technology and University of Burdwan. February 28 - March 1, 2009.

■ Seminar on “Perspective in Evolutionary Biology”. Department of Zoology, University of Calcutta. February 27, 2009.

Invited lecture-

Inviting Institute	Purpose	Date
All India Women’s Conference (AIWC)- Cannal West Constituent Branch	Awareness Programme: Climate Change- Environment and Ecology	4 th February, 2019
Jagadish Bose National Science Talent Search (JBNSTS), Kolkata; under the financial support of Department of Science Technology &Biotechnology, Government of West Bengal.	To delivered interactive lecture in the “SCIENCE TEACHERS’ TRAINING PROGRAM” for middle/high school teachers of science.	31 st January, 2019.
Jagadis Bose National Science Talent Search (JBNSTS), under the financial support of NCSTC-Department of Science & Technology, New Delhi, Govt. of India, in association with Prabhat Kumar College, Contai	To deliver interactive lecture on Biological Science during the workshop on “SCIENCE TEACHERS TRAINING PROGRAM” for middle/high school teachers of science .	11th January, 2018

List of Workshop/Training programmes attended and participated-

■ Two-Day National Seminar and workshop on Scientific Devices, Technology Applications and Community Linkage. Organised by TEQIP and Centre of Excellence, University of Calcutta. March 18-19, 2017.

■ A Capacity Improvement Initiative Workshop on “Advanced Methods in Field Biology and Statistical APPLICATION in Life Science Research”. Organised by The Zoological Society, Kolkata and Department of Zoology, University of Calcutta in collaboration with Indian Association for Productivity, Quality and Reliability, Botanical Survey of India, Consortium of Biodiversity Research in Eastern India, University of Calcutta and West Bengal State University, Barasat. October 10 – 21, 2014.

■ Workshop on “Application of Statistics in Life sciences”. Organised by The Zoological Society, Kolkata and Department of Zoology, University of Calcutta in collaboration with Indian Association for Productivity, Quality and Reliability. September 25-17, 2013.

■ Training Programme on Molecular Marker in Fisheries Research. Organised by National Bureau of Fish Genetic Resources (ICAR), Kochi Unit, CMFRI Campus, Kochi, Kerala. September 12-19, 2012.

■ Workshop On “Application of Statistical Techniques in The Natural Sciences”. Organised by The Department of Statistics, University of Calcutta in Collaboration with Kolkata Resource Centre, Inter University Centre for Astronomy and Astrophysics, Pune. December 30-31, 2010.

Editorial/Reviewer Assignment Served:

Role	Name of the Journal	Publishing House	Duration
Associate Managing Editor	Journal of Advanced Studies An Inter-disciplinary Research Journal	Behala College	2017 to Present
Reviewer	Proceedings of the Zoological Society [ISSN: 0974-6919]	Springer	2015 to Present

Awards/Fellowship and Recognition:

Name of the Award/ Fellowship/Recognition	Conferring Institute/Organisation	Year
Awarded 2 nd Prize for Paper Presentation in Biodiversity	National Seminar on Diversity in the Era of Globalization: Challenges and Management Organised Bidhannagar College, Govt. of West Bengal	2020
Awarded 1st Prize for Paper Presentation in Biodiversity and Evolution category	INTOZOOCON 2018: An International Conference to celebrate 100 Years of excellence, Department of Zoology, University of Calcutta	2018
Sudev Bhusan Ghosh Young Scientist Award	The Zoological Society, Kolkata	2014
S.P. Raychaudhuri Memorial Medal	The Zoological Society, Kolkata	2013
Research Fellowship in Science for Meritorious Students	University Grant Commission	2010
Hrishikesh Roy Scholar in Zoology for Securing Highest marks in Honours, Siliguri College	Siliguri College, University of North Bengal	2004