

**Name:** Dr. Nilanjana Bhattacharjee,

**Designation:** Assistant professor in zoology

**Qualification:**

Degree	University/Institute	Year
M.SC	Banaras Hindu University	2002
Ph.D	Indian Institute of Chemical Biology	2010
NET with JRF	Life sciences	2002

**Email address:** [bionil01@yahoo.com](mailto:bionil01@yahoo.com),

**Contact number:** 9433782001

**Date of Joining** 03 rd. January 2017

Nilanjana Bhattacharjee has specialized on Biochemistry and Molecular Biology in Masters and worked on protein chemistry, molecular Biology, and Bioinformatics in both doctoral and post-doctoral level. She has extreme interest on teaching and has been teaching from last nine years in different undergraduate colleges. She also loves to spend time with her family which consists of husband and eight years old daughter.

**Profile in detail:**

**Awards and achievements:**

1. Qualified National Eligibility Test (NET, CSIR on December 2002)
2. Awarded Junior Research Fellowship (UGC2003-2005)
3. Awarded Senior Research Fellowship (UGC2005-2008)

**Research Interest:** In Molecular biology, Biotechnology, Genomics and Proteomics studies

**Teaching Interest:** In Molecular biology, Biotechnology, Physiology, Biochemistry

**Experience (in Teaching):**

Institution	designation	Duration
East Kolkata Girls College	PTT (govt. approved)	2008-2010
New Alipore College	CWTT (govt. approved)	2010-2017
New Alipore College	Assistant Professor	Continuing since 2017
Netaji Subhas Open University	Teacher and Examiner	Conducted Classes and examination

**Publications:**

1. Dutta S and Bhattacharjee N; Biochemical Characterization and molecular Cloning of trypsin inhibitor gene from winged bean; NCBI GenBank; Jul-2007.
2. Bhattacharjee N, Banerjee S, and Dutta S; Cloning, expression, and mutational studies of a trypsin inhibitor that retains activity after cyanogen bromide digestion; protein expression purification (ELSAVIER); Feb-2014.
3. Bhattacharjee N, and Dutta S; In-silico study of three winged bean trypsin inhibitor genes and analysis of structure and function correlation of their corresponding proteins; Indian Journal of Bioinformatics and Biotechnology 2014
4. Bhattacharjee N, Single step purification of a Winged Bean Trypsin Inhibitor by using Immunoaffinity Column Chromatography; International Journal of Research Studies in Biosciences (IJRSB), May-2015
5. Bhattacharjee N and Dutta S; Understanding functionality of protein by using site directed mutagenesis technique; International Journal of Biotechnology Research (IJBR), June-2015
6. Bhattacharjee N, 3D-Structure Prediction of Winged Bean trypsin Inhibitor and their Mutant Forms; International Journal of Research Studies in Biosciences (IJRSB), July-2015

### **Conference/seminar/workshops attended/conducted /chaired**

1. Attended One day workshop on Zoology CBCS Syllabus-2018 (Part-I), organized by University of Calcutta on 12<sup>th</sup> June 2018
2. Attended One day workshop on Zoology Hons. Part-II curriculum of University of Calcutta, organized by University of Calcutta on 29<sup>th</sup> March 2018
3. Participated in 4<sup>th</sup> International Conference on Angiogenesis Research: Anti-Angiogenic therapy in Human Disease, organized by Saroj Gupta Cancer and Research Institute, Thakurpukur, Kolkata in Association with National centre for cell science, Pune, on 21<sup>st</sup> September, 2017
4. Participated in Reorientation workshop on undergraduate honours (part-I) new syllabus in zoology, C.U., organized by University of Calcutta on 24<sup>th</sup> September 2016
5. National Workshop on Application of Bioinformatics in molecular and Structural biology, Organized by Bioinformatics centre, Bose Institute, Kolkata 2006
6. Organized a workshop on Biostatistics in The Department of Zoology, New Alipore College on 16<sup>th</sup> January 2018
7. . Organized a Seminar on Ornamental Fisheries in The Department of Zoology, New Alipore College on 4<sup>th</sup> September 2018.
8. Participated in faculty exchange programme with Dr. Gunjan Dhar, Assistant Professor, Department of Zoology, Vivekananda College, Thakurpukur, Kolkata, and Delivered two lectures on DNA polymorphism mapping, RFLP, RAPD, Elementary idea of VNTR and DNA finger printing on January 2017.

### **Key positions held:**

1. Serving as Head of the Department of zoology, (from 2014 onwards)
2. Member Library Committee (2018,2019)
3. Member research cell (2019)