

4. Dr. Ajoy Kumar Das

Address : House No. 35, Joymati
Nagar, Guwahati-781012, Assam

Mobile No. : +91 9435571469

Present Designation : Assistant Professor
Department of Botany, Arya Vidyapeeth
College Guwahati – 16.

Nationality : Indian

Date of Birth : 03-06-1980

Date of Joining in service : 12-09-2013

Educational Qualification : MSc., M.Phil., Ph. D.

Specialization : Cytology, Genetics and Plant Breeding

Academic Distinction and Achievement:

- First Class with Distinction in B.Sc. examination under Gauhati University
- Awarded M.Phil. in Botany by Gauhati university
- Awarded Ph. D. in Botany by Gauhati university
- Worked as JRF at IIT Guwahati
- Worked as Post Doctoral Fellow at IIT Guwahati

Teaching Experience

- Working as Assistant Professor for 4 years at Undergraduate students.

Research Experience:

Nine years research experience in the field of :

- Chromosomal analysis of Plants
- Genetic variation study of plants using breeding techniques
- Molecular Marker based phylogenetic study of plants
- Mammalian Cell Culture
- Green synthesis of nano – particle and its application
- Preparation of nanozymes
- Cytotoxicity study
- Antioxidant study both at *in vitro* and cellular level

Research Publication:

- Papaya latex mediated synthesis of prism shaped proteolytic gold nanozymes (Under review, RSC Advances)
- Black turmeric mediated synthesis of gold nanoparticles and their cytotoxic potential on breast cancer cell line (Under review)
- Assessment of intraspecific variation in *Tinospora cordifolia* – a highly medicinal climber using ISSR markers, (Accepted, International Journal of Pharma and Biosciences, 2015 **Impact Factor 5.0**)
- Karyomorphological characterization of some important species of *Solanum* available in North – East India, (International Journal of Pharma and Biosciences, Vol. 6(1): (B), pp. 1196-1209, 2015 **Impact Factor 5.0**)
- Cytotoxic effect of Silver-nanoparticles on root meristem of *Allium sativum* L., *Journal of research in Nanotechnology*, Vol.1, pp. 001 – 008, 2012
- Intraspecific variation in *Solanum xanthocarpum* Schard. and Wendl. revealed by ISSR marker. *Journal of Research in Plant Sciences*, Vol.1, pp.1-6, 2012
- Assessment of antimicrobial and antioxidant activities of *Dendrocnide sinuata* (Blume) Chew leaves – A medicinal plants used by ethnic bcommunities of North East India, *Indain Journal of Natural products and Resources*, Vol. 1 (1), pp.17-21,2010

Seminar / Workshop Attended:

1. International conference on “Agriculture, Veterinary and Life Sciences” organized by School of studies in Zoology and Biotechnology & IMRF, Ujjain, 2015.
2. International Conference on “Disease Biology and Therapeutics” organized by IASST, Guwahati, Assam, 2014.
3. International seminar on Environmental degradation, sustainable development and environment of poverty: Issues and policy implications, organized by Department of Political Sciences and History, CKB College, Jorhat, 2014.
4. National seminar on “ RET plants of North East India and their conservation strategies” organized by Department of Botany, Gauhati University, 2014.
5. National seminar on “Recent challenges for chemical research and practices: Moulding chemistry for better tomorrow(RCCRP) organized by Department of Chemistry, Darrang College, Tezpur, 2012.
6. National seminar on “Climate change and its impacts on plants and animals” organized by Department of Botany, JMDPL Mahila College, Madubani, Bihar, 2012.
7. National conference on “River Basin Planning (BRiP, 2011)” organized by IIT Kanpur, 2011
8. National seminar on “Exploration, utilization and strategy action plan for sustainable management of plant resources” organized by Department of Botany, Gauhati University, 2009
9. National conference on “Value addition to bioresources of N. E. India, post harvest technology and cold chain” organized by Department of Botany, Gauhati University and ASTEC, Govt. of Assam 2006.
10. Workshop on “Next generation sequencing and data analysis” organized by IITG Biotech Hub, Centre for Environment, IIT Guwahati, 2014
11. Workshop on “Hands – on Training on Mammalian Cell Culture Techniques and Toxicity Studies” organized by IITG Biotech Hub, Centre for Environment, IIT Guwahati, 2011
12. Workshop on “Genome Annotation 2011” organized by IITG Biotech Hub, Centre for Environment, IIT Guwahati, 2011
13. Workshop on “Research Methodology Course for Ph. D. Scholars” organized by Academic Staff College, Gauhati University, Guwahati, 2009
14. Workshop on “Bioinformatics and its future prospects” organized by Department of Botany, Gauhati University and DOEAAC Center, Guwahati, 2006.
15. Workshop on “Statistical Data Analysis Using SPSS” organized by Department of Statistics, Gauhati University, Guwahati 2006

Contribution of Corporate Life:

- Ex teacher-in-charge, Gymnasium
- Member of IQAC
- Member of Admission Committee
- CTO, 1st Assam Bn. NCC, Arya Vidyapeeth College

Other Creative Activities:

- Published several articles in Local News Paper

Exam.Related Confidential Activities:

External Examiner H.S. examinations