

Sri Sujit Kr. Bhowal

Designation: Assistant Professor in Zoology

Qualification: M.Sc.



About me:

Experience / Expertise:

He has more than 12 years of Under Graduate and Post Graduate teaching. In PG courses he has been regularly undertaking dissertation projects in Cytogenetic and Molecular Biology. He is proficient in advanced molecular and general biology laboratory techniques. Apart from academics he also has deep interest in service-related matters and taxation related work.

Specialisation & Area of Research Interests:

Professor Bhowal is currently serving as Assistant Professor in Zoology at Maulana Azad College. He has been teaching UG and PG students for more than 12 years. He completed his academics from University of Kalyani and qualified CSIR-UGC NET JRF twice as well as SLET (WB). His specialization in post-graduate teaching is Cytogenetics and Molecular Biology. His research interest encompasses Genetics & Human Cytogenetics, Reproductive Biology, Biodiversity Studies and Avian Biology. He joined in West Bengal Education Service (W.B.E.S.) in 2006 as an Assistant Professor. Prior to his current posting at Maulana Azad College he has served Darjeeling Govt. College, Krishnagar Govt. College and Kaliganj Govt. College. Beside academic he has keen interest in painting and wildlife photography.

Current Teaching: He has experience of more than twelve years of UG and PG teaching. His subject of teaching spans from general Zoology to advanced domains like Cytogenetic and Molecular Biology.

Name of the Research Project completed: Inventorization of Sacred Groves in Nadia district of West Bengal approved and Sanctioned vide memo no. 143/5K (Bio)-1/ 2014, dated 26.02.2014 Sanctioning & Funding authority: West Bengal Biodiversity Board, Kol- 700106.

Selected Publications:

- Synthesis and assessment of fertility-regulating potential of 2-(2''-chloroacetamidobenzyl)-3-(3'-indolyl) quinoline in adult rats as a male contraceptive agent, Sujit K. Bhowal, SanchitaLala, AbhijitHazra, PriyankarPaira, Sukdeb Banerjee, Nirup B Mondal, SmritinathChakraborty, Contraception. 2008 Mar; 77 (3):214-222.
- Review on some male fertility regulating agents and development of prospective male contraceptive, Sujit Kr. Bhowal, Conscientia, 2011; 1(2): 43-52.
- Embryotoxic effect of butanolic part of the aqueous extract of *Chenopodium album* seeds in female rats (Poster presentation), D. Mandal, S. Kumar, S. Banerjee, N. B. Mandal, Sujit Kr. Bhowal and S. N. Chakraborty, Symposium on trends in molecular and applied approaches to reproduction and 15th annual meeting of ISSRF, 2005, Kolkata, India.
- Preliminerystatus survey of natural biodiversity in the wetlands of Panchla, Howrah district, West Bengal and its impact on livelihood of local people, P. Ghosh, S. K. Bhowal and P. Sanyal, Abstract in National Conference on Biodiversity, 2014, Pg. 157, Kolkata, India.
- *In vivo* study of the effect of genotoxicity through chromosome aberrations of bone marrowcells and testicular cells as well as micronuclei from mouse treated with carbon tetra chloride(CCl₄), Sujit Kr. Bhowal, Chapter in the book "Contemporary laboratory and field experiments inzoology" and proceedings of National level workshop, held at APC Govt. college, Siliguri, 2015, pp 96-102.ISBN: 978-81-8211-128-8.
- Attaining Male Reversible Infertility through Modulation of Spermatogenesis by 2-(2''-chloroacetamido benzyl) - 3-(3'- indolyl) Quinoline or IndolylQuinoline in Rats *Rattusrattus*. Bhowal SK, Mahapatra P and Sahu CR. Austin Andrology. 2016; 1(2): 1006: 1-6.

- Primary investigatory study on natural biodiversity of Panchla wetlands, Howrah, West Bengal and its impact on local population Bhowal SK Conscientia (Krishnagar Govt. College Academic Journal), 2016; 4(1): 33-41.
- Induction of functional infertility in male rats (*Rattus rattus*) by indolyl quinoline, an anti-flagellated agent, S.K. Bhowal, C.R. Sahu and P.K. Mahapatra, National Seminar on climate changes and future of animals, held on 22-23 December, 2018 at P N College, Autonomous, Khordha, Odisha.

Participation at International and national symposium, seminar, workshop etc:

1. National seminar on clinical research – practice and prospect, organized by Bioequivalence study center, Department of pharmaceutical technology and Indian drug manufacturers' association in 2006 at Jadavpur University, Jadavpur, Kolkata- 700032.
2. International Symposium on trends in molecular and applied approaches to reproduction and 15th annual meeting of ISSRF, 2006, Kolkata, India.
3. Workshop on “Suggestive Curriculum by UGC on Practical Teaching in Zoology”, organized by Dept. of Zoology, University of Calcutta and The Zoological Society, Kolkata, held on 24th February, 2007 at Dept. of Zoology, University of Calcutta.
4. National seminar on science and society, sponsored by the department of higher education, Govt. of West Bengal at Darjeeling Govt. College, held on 27th and 28th March, 2008.
5. National Seminar on “Recent Trends in Exploration, Exploitation and Conservation of Biodiversity” organized by P.G. Dept. of Zoology, Darjeeling Govt. College, Darjeeling- 734101 held on 1st and 2nd June, 2008.
6. UGC-sponsored Refresher Course on “Environmental Issues and its Modulation”, jointly organized by Dept. of Botany, Chemistry, Environmental Science and Zoology, University of Kalyani, Kalyani – 741235, Nadia, held on 2nd to 22nd January, 2008 and obtained Grade A.
7. UGC sponsored National Seminar on Inductive education: challenges ahead in higher education organized by Govt. College of Arts and Crafts, Kolkata, held on 23.01.2010.
8. UGC-sponsored seminar on Biodiversity crisis, held at P.G. Dept. of Zoology, Krishnagar Govt. College on 29.4.2011.
9. International seminar on recent trends in Zoology, held at P.G. Dept. of Zoology, Jhargram Raj College on 08.03.2011 in collaboration with I.N.S.A. and DST, Govt. of India.
10. W.B. Higher Education Dept. sponsored National level workshop on Contemporary laboratory and field experiments in Zoology held at APC Govt. College, Siliguri, Darjeeling, W.B. Nov. 22 to Dec 1, 2015.
11. Participated in National level training workshop on “Skills and Techniques of Taxidermy” at Zoological Survey of India, Kolkata from 08.09.17 to 09.09.17.
12. State level seminar on Biodiversity of West Bengal, organised by Dept. of Zoology, Ramkrishna Mission Vidyamandir, Belur on 28.09.2018.
13. National conference on Advances in Zoology held at Dept. of Zoology, Utkal University, Bhubaneswar from 2.3.2019-3.3.2019.
14. Orientation Programme Attended (UGC sponsored): 21.11.2011 to 19.12.2011 Academic Staff College, Jadavpur University, Kolkata, W.B.
15. Refresher Course Attended (UGC sponsored): 02.01.2008 to 22.01.2008, Dept. of Botany, Chemistry, Environmental Science & Zoology, University of Kalyani, Kalyani, Nadia, W.B.
16. Refresher Course Attended (UGC sponsored): 06.11.2017 to 26.11.2017, Dept. of Zoology and Biotechnology, University of Calcutta, Kolkata, W.B.

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Professional Memberships and Activities:

1. Life member (LJM) of Zoological Society, Kolkata
2. Member, PGEC, Department of Zoology, Maulana Azad College, Kolkata