

Dr. Nivedita Nag

Assistant Professor, WBES

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Subject: Microbiology

Major Research Interest: Biochemistry, Molecular Biology and Microbiology



Academic Credentials:

Degree	Year	Subjects	College/University
Ph.D.	2014	Biochemistry	University of Calcutta
MTech	2004	Biotechnology (1 st Class 1 st)	Jadavpur University
MSc	2001	Biochemistry	University of Calcutta
BSc	1999	Chemistry (Hons)	University of Calcutta

Academic Accreditation:

Qualified Graduate Aptitude Test in Engineering

Qualified Ninth State Level Eligibility Test for Lectureship (SLET)

Qualified Lectureship NET in Life Sciences (Council of Scientific and Industrial Research)

Professional Appointments:

Colleges	Academic rank	Years	Department
Bijoy Krishna Girl's College, Howrah	Part-time faculty	2002 Sept - 2006 Sept	Microbiology
Gurudas College, Kolkata	Lecturer	2004 August - 2009 July	Biochemistry
Bidhan Nagar College. W.B.E.S.	Assistant professor	2009 July - 2015 June	Microbiology
Sister Nivedita Govt. Degree College for Girls, W.B.E.S.	Assistant Professor	2015 June - 2025 Feb	Microbiology
P. R. Thakur Govt. College, W.B.E.S.	Assistant Professor	2025 eb - Till	Microbiology

Research Interest:

Understanding the effect of redox stress in development of cancer. The broad idea is to determine how drug induced redox stress affects the cancer management and the quality of life.

Publications:

1. Bilirubin clearance and antioxidant activities of ethanol extract of *Phyllanthus amarus* root in phenylhydrazine-induced neonatal jaundice in mice. Soumya Maity¹, Nivedita Nag, Suchandra Chatterjee, Soumyakanti Adhikari, Santasree Mazumder. *J Physiol Biochem*. 2013 Sep;69(3):467-76.
2. Role of bilirubin as antioxidant in neonatal jaundice and effect of ethanolic extract of sweet lime peel on experimentally induced jaundice in rat. N Nag, S Halder, R Chaudhuri, S Adhikary, S Mazumder. *Indian J Biochem Biophys*. 2009 Feb;46(1):73-8.
3. Deubiquitination in prostate cancer progression: role of USP22 Nivedita Nag, Samikshan Dutta. *J Cancer Metastasis Treat* 2020;6:16
4. Enzalutamide Resistance prostate cancer and beyond: An update. *IJRAR - International Journal of Research and Analytical Reviews (IJRAR)*, Nivedita Nag. E-ISSN 2348-1269, P- ISSN 2349-5138, 2023, Volume.10, Issue 1, Page No pp.22.

Lecture presentation:

Presented Paper "Microbes: as a Boon to Mankind in the State level Interdisciplinary Seminar cum Science Exhibition 2016 on 15th December 2016 at Sister Nivedita Govt General Degree College for Girls, Hastings House, Kolkata 700027

Presented Paper "Cellular Autophagy: God or evil in the State level Interdisciplinary Seminar cum Science Exhibition 2016 on 15th December 2016 at Sister Nivedita Govt General Degree College for Girls, Hastings House, Kolkata 700027

Presented Paper entitled "Importance of waste water treatment for the Reusable Purposes " at UGC Sponsored Two Day National Seminar on WATER: The Changing Socio-Economic Scenario at Sambhu Nath College, Labpur, Birbhum. West Bengal on 3rd and 4th February 2017.

At International Seminar on "The History of Science and Technology = A journey from Metal Age to E- Age held on 12/3/2019 at Alipurduar College, presented a paper "Non-Small Cell Lung Cancer (NSCLC): "Current Therapeutic Options in India", 2019.

Presented lecture on "Liquid Biopsies Towards the Improvement of Quality of Life for Advanced Prostate Cancer" in the International Conference on Opportunities and Challenges in Biological Science and Sports Science held on 5th and 6th March 2023 at Gushkara Mahavidyalaya.

Book Chapter:

1: Spreading of SARS- CoV-2: How it Occurs? By Nivedita Nag: *Scientific Vistas*, Volume 3, Issue 1, July 2020; ISSN 2582-0060, pp 1-3.