



DEBDYUTI NANDY



Post-Doctoral Fellow

Chemical Engineering

Indian Institute of Science, Bangalore

SHORT BIO

Completed school education from Durgapur, and then moved to Kolkata for BSc., MSc. Conducted my PhD thesis research at IICB Kolkata with the CSIR-NET fellowship. Experienced in cell biology, use of molecular biology tools animal experimentation.

RESEARCH INTERESTS

Biotechnology, Molecular biology, Physiology, Virology, Molecular imaging

CURRENT RESEARCH

Understanding the parameters that define cellular infectivity for positive strand RNA viruses. Decoding the intricacies of viral life cycle and its application to identifying drugs against human viral pathogens

CONTACT

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EDUCATION

PhD, Biotechnology

Indian Institute of Chemical Biology, Kolkata

2014 - 2019

Thesis title: Molecular Regulation of Spiral Artery Remodelling

Thesis Advisor: Dr Rupasri Ain

M. Sc., Microbiology

St. Xavier's College, Kolkata

2012 - 2014

B. Sc., Microbiology

Scottish Church College, Kolkata

2009 - 2012

WORK EXPERIENCE AND FELLOWSHIPS

Roche Diagnostics India Pvt. Ltd.- Account Manager

March 2020– April 2021

Fulfilment of sales objectives for molecular diagnostics, East.

Management of operations, technical, logistics for the region.

CSIR-NET Fellowship (2014-2019)

SELECTED PUBLICATIONS

Debdyuti Nandy, Shreya Das, Safirul Islam and Rupasri Ain. "Molecular regulation of vascular smooth muscle cell phenotype switching by trophoblast cells at the maternal-fetal interface." *Placenta*, 93:64-73 (2020) <https://doi.org/10.1016/j.placenta.2020.02.017>

Debdyuti Nandy, Amrita Maity, Arup Kumar Mitra. "Target specific gene delivery in plant system and their expression: insights into recent developments." *Journal of Biosciences*, 45:30 (2019) <https://doi.org/10.1007/s12038-020-0008-y>

Pramita Chowdhury, Saheli Podder, Debdyuti Nandy, Sushmita Jha, Anuradha Roy, Nilika Bhattacharya, Soumanetra Chandra, Arup Kumar Mitra. "Bio-remedial activity of a moderate extremophile from pharmaceutical effluent." *Avikaar-A Xaverian Journal of Research*. Vol.VII: 42-49 (2015).

Debdyuti Nandy., Pramita Chowdhury, Saheli Podder, Sushmita Jha and Arup Kumar Mitra. "Interactive Effect of Phyllosphere Organism on Disease Development in *Syzygium samarangense*.". *International Journal of Advanced and Innovative Research*, Volume 2, Issue 1, 133-138 (2013).