

Bipasha Roy

Designation: Assistant Professor



About Me: After completing Graduation in Microbiology (2008) from Rastraguru Surendranath College Barrackpore, did Masters from the Department of Microbiology, Ballygunge Science College. Qualified CSIR-UGC NET in December 2009 while still pursuing M.Sc. and finally Joined Bose Institute in The Division of Plant Biology as CSIR-Ad- Hoc Fellow in 2010, after completion of Master Degree.

Qualifications: M.Sc.

- M Sc. in Microbiology.
- Thesis yet to be submitted.

Current Teaching:

- Biochemistry, Molecular biology, Cell Biology, General Microbiology, Medical Microbiology and Immunology.

Research Interests:

- The theme of my research work is assessment of genetic diversity in rice varieties and landraces from West Bengal and the North Eastern states of our country. Primer pair designing from RGA region and subsequent polymorphism analysis using them and other SSR markers. Sequencing of DNA bands obtained from the amplification of the in house designed primer.
- Study of one of the most important rice disease, Bacterial leaf blight, causes by *XanthomonasOryzae* . Assessment of the disease phenotype in rice landraces, especially from West Bengal along with international controls, using artificial inoculation systems. Attempts to correlate disease phenotype diversity with diversity in the conserved domain of 6 rice bacterial leaf blight resistance genes, which have already been cloned and characterised.

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