

## Dr. Nirmalya Ghoshal, Ph.D.

**Name** : Nirmalya Ghoshal  
**Designation** : Assistant Professor  
**Department** : JBS Haldane Centre for Molecular Medicine  
(JOINED THE INSTITUTE IN 2023)  
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### RESEARCH INTERESTS

MICROBIOLOGY AND MOLECULAR BIOLLOGY

### Academic Qualifications

Ph.D. (Molecular Biology), University of Kolkata  
M.Sc. (Microbiology), University of Kolkata  
B.Sc. (Microbiology), University of Kolkata

### Teaching Experience/Industrial Experience/Research Experience

- ✓ 1yr experience as Laboratory Operation Manager in Aster Labs.
- ✓ 1yr experience as Specialist Molecular Biologist in Aster Labs.
- ✓ 1yr experience as Head Molecular Biologist and Micro biologist in SRL Diagnostic.
- ✓ 1 yr experience as Molecular Biologist in Medicity – Specialty Lab Pvt Ltd.

### PUBLICATIONS

### JOURNALS & CONFERENCES

Ghoshal N, Takaoatra S, Talukdar P, Sengupta N, Ray SK, CHakraborty A, Rouchaudhury SS: Cross Adaptation to cadmium stress in *Plantago ovate* by pre-exposure to low dose of gamma rays: Effects on metallothionein and metal content. *International Journal of Radiation Biology* (2015) 91(8): 611-623

Ghoshal N, Talapatra S, Moulick A, Chakraborty A, Raychaudhuri SS: Alterations in transcriptome and proteome on metallothioneins following oxidative stress inducted by sub lethal doses of cadmium and gamma rays in *Plantago ovate*. *International Journal of Radiation Biology* (2013) 89 (7): 571-582

ANY OTHER

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*Talapatra S, Ghoshal N, Raychaudhuri SS: Molecular characterisation, cloning and expression analysis of a Somatic Embryogenesis Receptor Kinase (SERK) gene in Moordica charantia L. during somatic embryogenesis. Plant Cell Tissue and Organ Culture (2014) 116 : 271-283*

*Moullick A, Mukhopadhyay D, Talapatra S, Ghoshal N, Raychaudhuri SS : Molecular cloning, modelling and characterization of type 2 metallothionein from Plantago Ovata Forsk. Sequencing doi (2013)10.1155/2013/756983*