

Debraj Hazra

STATE AIDED COLLEGE TEACHER
DEPARTMENT OF MICROBIOLOGY, ASANSOL GIRLS' COLLEGE



CONTACT

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EDUCATION

M.Sc. in Microbiology from West Bengal State University

B.Sc. (H) in Microbiology from Burdwan University

TEACHING AREA

- Microbiology
- Cell Biology
- Biophysics
- Molecular Biology
- Biochemistry
- Bioinformatics

RESEARCH AREA

- Microbiology
- Stress Biology
- Heavy metal toxicity

MEMBERSHIP

- Indian Microbiologist Society

EXPERIENCES

- Three years of teaching experience.
- Three years of research experience.

PROFILE HIGHLIGHTS

- Mr. Hazra is associated with the department of Microbiology, Asansol Girls' College as a faculty since 2017.
- He has attended more than 15 webinars, five seminars and four Faculty Development Programs.
- He is expert in Molecular biology, Microbiology and Biochemistry techniques.
- He has two International journal publications and 4 abstract publications.
- He has done Certificate course from WHO and ICMR.

PROFESSIONAL EXPERIENCE

- Working as SACT at the Department of Microbiology, Asansol Girls' College from Jan'2020 till date.
- Worked as Guest Lecturer at the Department of Microbiology, Asansol Girls' College, from Aug' 2017 to Dec' 2019.

TECHNIQUES KNOWN

- Isolation, cultivation and characterization of microorganisms.
- Biochemical assays such as microbial quality and grading of milk, determination of water quality, and IMViC test.
- DNA/Protein extraction and characterization.
- Chromatographic techniques (TLC, Paper chromatography and Column chromatography).
- Southern blot, Western blot Analysis.
- **IT skills:** Computer fundamentals, MS-OFFICE (Word, Excel, Power Point), Networking Concept, Internet and e-mailing, typing speed varies in range of 30-35 WPM.
- **Software:** C- programming, HTML, JAVA, R programming.

JOURNAL PUBLICATIONS:

- "Nutrient cycling and metabolic activity of soil microbes in pristine forests in comparison to a monoculture." Arunima Bhaduri, Srijani Chatterjee, Kuntal Bakuli, Debraj hazra and Sanjeev Pandey; *Vegetos* (32), 2019, 324 – 332.
- "Improved cadmium tolerance of *Lens culinaris* in interaction with a cadmium resistant *Ochrobactrum* sp." Debraj hazra and Sanjeev Pandey, MS Communicated to Natural products and bioprospecting.