



Rima Biswas

M.Sc. Biochemistry (Pursuing PhD)

Project Fellow

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Currently working in Biochemistry Research Laboratory CIIMS (Central India Institute of Medical Sciences) at Nagpur as a Project Fellow. Worked in an Indo-UK project entitled “*C.difficile* in urbanized and tribal Communities in Central India: A Molecular Epidemiological Study”, “*Multiplex PCR for Determining Aetiology of Infectious Diarrhoea in Rural, Peri-urban and Urban Populations in Central India*” and “Establishment of a Regional Network of Clinical Laboratories in India for Diagnosing and Managing *Clostridioides difficile* infection”.

Achieved technical skills:

A. Molecular Biology Techniques:

1. DNA & RNA isolation (bacteria, plant, soil, Blood, Stool and other body fluids)
2. Gel electrophoresis, Metagenomic DNA isolation
3. SDS-PAGE & NATIVE-PAGE
4. Conventional PCR, RT PCR
5. Loop Mediated Isothermal Amplification (LAMP PCR)

B. Microbiological and Biochemical tests/method/analysis:

Expertise in handling anaerobic organisms, Media preparation (specific, minimal etc), identification of soil/water microflora diversity analysis, biochemical test (IMViC), Antibiotic sensitivity test, Protein assay, Enzyme assay, Biochemistry and immunological techniques-antigen antibody interaction.

C. Bioinformatics Tools:

- 1 .BLAST
2. FASTA
3. SPSS Biostatistics tool

Key Skills

- Possess strong commitment to team dynamics with ability to contribute expertise and follow leadership directives at appropriate time.
- A proactive planner with abilities to make effective presentations.
- Full dedication, hardworking and punctual towards my work. A good speaker and observer

Objective is to serve innovative ideas and intellect in the field of R&D with dedication, commitment, and result orientation by utilizing R&D experience and hard work to contribute in technological development for the betterment of the society.