

RUTUJA SARWADE

BIOTECHNOLOGIST

Biotechnologist with a strong background in biology, biochemistry, and molecular biology. Experienced in studying genetic and physical traits of cells and organisms. Skilled in analytical chemistry, bioassays, and operating advanced lab equipment.

SKILLS

- **Molecular Biology Techniques:** DNA/RNA extraction & Purification, gel electrophoresis, transformation.
- **Microbiology:** Aseptic techniques, media preparation, bacterial culturing, Gram staining.
- **Biochemistry:** Spectrophotometry, chromatography (TLC, column), enzyme assays.
- **Cell Culture:** Handling cell lines, sterile techniques.
- **Instrumentation:** UV-Vis spectrophotometer, centrifuge, incubator, autoclave, electrophoresis units, pH meter, colorimeter.
- **Bioinformatics Tools:** Familiarity with BLAST, NCBI databases.

PROFESIONAL EXPERIENCE

Observership – Kokilaben Dhirubhai Ambani Hospital

(Microbiology & Molecular Biology Dept.)

- Attended training on COBAS automated systems
- Gained exposure to diagnostic lab protocols and clinical workflows
- Infectious Immunology
- Clinical Pathology
- Bacteriology
- Mycobacteriology
- Molecular Microbiology

Hands-on Training – Aquafeed Production Technology (ICAR-

CIFE, Mumbai)

- Analysed feed quality through biochemical methods (protein, lipid, moisture, extrusion)

CONTACT

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RESEARCH PROJECT

"Green Enzyme Harvest: Cultivating Xylanase from Agricultural Waste and its Applications"

- Presented at AVISHKAR 2023–24 (cleared Inter-collegiate, Institute, and Zonal rounds)
- Presented at CONFAB 2023–24
- Focused on sustainable enzyme production from agro-waste for industrial applications

EDUCATION

BSc Biotechnology University of Mumbai (2021-2024)
GPA: 7.01

HSC Maharashtra State Board (2021)
Percentage : 81.00%

SSC Maharashtra State Board (2019)
Percentage : 73.47%

LANGUAGE

ENGLISH, HINDI, MARATHI