



Job Title: Research Assistant

Location: Bengaluru, Karnataka, India

Company: Quantumzyme

About Us: Quantumzyme is a leading company in the field of biocatalysis, leveraging cutting-edge technology to provide sustainable and efficient solutions for the chemical, pharmaceutical, and other manufacturing industries. Our mission is to revolutionize the way chemicals are produced, making processes greener and more cost-effective.

Job Description:

Position Overview: We are seeking a dedicated and skilled **Research Assistant** with an M.Sc. in Microbiology or Molecular Biology, or a B.Tech/B.E. in Biotechnology, or MTech to join our team in Bengaluru. The ideal candidate will have 2 to 4 years of experience and will play a crucial role in supporting both industrial and academic projects.

Key Responsibilities:

- Set up and execute experiments for protein purification and biochemical assays.
- Implement basic microbiology protocols for experimental setups.
- Comprehend project requirements as specified by the client.
- Understand and follow reaction parameters from supervisors or managers.
- Discuss and understand the MSDS (Material Safety Data Sheet) with the team.
- Identify and mitigate potential safety risks with supervisor assistance.
- Plan and execute reactions with proper reagents and equipment, maintaining specified conditions with optimal usage and minimal wastage.
- Ensure the parallel execution of multiple reactions.
- Monitor reaction progress using standard methods and analytical techniques.
- Identify and execute appropriate workup and purification techniques to produce desired quality compounds.
- Analyze and interpret analytical data results and report to supervisors or managers.
- Meet productivity benchmarks as per project timelines.
- Follow safety protocols and guidelines in the labs.
- Maintain and use equipment/apparatus/instruments as per SOPs.
- Document reactions, research findings, and observations accurately in lab notebooks as per client requirements to ensure data integrity.
- Maintain strict IP confidentiality and adhere to all related policies.
- Compile required experimental data to prepare final reports.

- Continuously improve knowledge of Molecular Biology techniques, Microbiology, Biochemistry, and Analytical techniques.

Qualifications:

- Research, validation, HPLC techniques, protein purification, basic microbiology, basic molecular biology, documentation, analytical techniques, reagent preparation.
- 1- 4 years of experience, including internships in a biology lab.

Additional Skills:

- Good understanding of basic enzymology and protein engineering.

What We Offer:

- Competitive salary.
- Opportunity to work with a dynamic and innovative team.
- Professional development and growth opportunities.
- International travel and exposure to global markets and clients.
- A collaborative and inclusive work environment.

How to Apply: Interested candidates are invited to send their resume to rakshitha.shettar@quantumzyme.com