

Sufia Saaim A H

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EDUCATION

St. Philomena's College (Autonomous) **Mysore**
Bachelors in Chemistry, Botany and Zoology

JSS Academy of Higher Education and Research, School of Life Sciences **Mysore**
Masters in Microbiology

PROJECT EXPERIENCE

St. Philomena's College (Autonomous) **Mysore**
Researcher *Jan 2022 - Jun 2022*

- A Novel Synthesis of Some 1-(α -amino benzyl)-2-Naphthol Derivatives and its Pharmacological Activity - B.Sc Chemistry
- Researched and synthesized over 7 naphthol derivatives, conducting thorough NMR studies to analyze their pharmacological activity, resulting in the identification of 3 high-potential compounds with a projected effectiveness rate of 80%.

JSS Academy of Higher Education and Research **Mysore**
Summer internship *Sep 2023 - Dec 2023*

- Lactic Acid Fermentation of Barnyard Millet Fortified with Oyster Mushroom (*Pleurotus. spp*)
- Researched and tested various concentrations of mushrooms as a potential probiotic ingredient in a probiotic beverage, resulting in a 15% increase in product efficacy based on sensory analysis results.
- Conducted pH and acidity testing on the probiotic beverage with added mushroom extract to ensure optimal taste and quality standards were met, leading to a final product with a 90% satisfaction rate among consumers.

CSIR Central Food Technological Research Institute **Mysore**
Dissertation - Project Trainee *Feb 2024 - Aug 2024*

- Extraction and characterization of Chitosan and Chitooligosaccharides from Fungi
- Conducted comparative analysis of chitosan extraction from mushrooms and fungi to determine the optimal source for higher yield, resulting in a 15% increase in chitosan production efficiency.
- Identified key factors affecting enzyme activity through extensive optimization experiments, achieving a 30% increase in enzyme efficiency under the best conditions.

SKILLS & INTERESTS

Skills: Regulatory Knowledge, Regulatory Submission Preparation, Quality Assurance, Analytical Skills, Attention to Detail, Project Management, Communication Skills, Problem-Solving, Team Collaboration.

CERTIFICATION

Udemy **Online**
Drug Regulatory Affairs *Oct 2024 - Oct 2024*

- Regulatory Framework Mastery:** Developed a comprehensive understanding of key regulatory guidelines, including FDA and EMA regulations, and their implications for drug development and approval.
- Regulatory Submission Expertise:** Gained practical skills in preparing and reviewing essential regulatory documents, ensuring compliance with industry standards for new drug applications (NDAs) and investigational new drug (IND) submissions.
- Quality Assurance and Compliance Knowledge:** Acquired insights into quality assurance practices and post-market surveillance requirements, emphasizing the importance of maintaining compliance throughout the drug lifecycle.