SNEHA JAWAHAR

Research Intern at NIT Trichy | Master's in chemistry| Chemist | Expert
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PROFESSIONAL SUMMARY

As a candidate, I bring a robust academic background in chemistry, complemented by hands-on experience gained through internships and research projects. My proficiency in analytical techniques, such as chromatography and spectroscopy, equips me to conduct precise experiments and analyze complex data effectively. I am adept at following stringent protocols to ensure quality and safety in all pharmaceutical processes. Moreover, my strong attention to detail and problem-solving abilities enable me to troubleshoot issues and contribute to the development of innovative drug formulations. With a commitment to continuous learning and adherence to regulatory standards, I am prepared to make significant contributions to your team's research and development efforts.

Skills

Analytical skills · Powder XRD · Fluorescence spectrophotometer · TEM · Organic Synthesis · Data Analysis · Microsoft Excel · UV Technique · Word · PowerPoint · Teamwork · Safe Laboratory practices · Organizational Skills

PROFESSIONAL EXPERIENCE

MY CAPTAIN
Bangalore, Karnataka, India

Intern
11/2020 - 12/2020

Assisted in organizational development initiatives and contributed to enhance employee engagement strategies.

- Provided valuable support in carrying out the day-to-day HR activities of an organization.
- Also maintained the accuracy of employee files, organize and screen CVs and resumes, manage job ads, and assist in the implemetation of company policies.

National Institute of Technology Tiruchirappalli
Trichy, Tamil Nadu, India

Project Intern
06/2023 - 08/2023

Worked under the guidance of Dr. V. M Biju (HOD) at Bio and Electroanalytical Laboratory, Department of Chemistry

- Performed experiments and tests using bioanalytical and electroanalytical techniques such as chromatography, spectrometry, voltammetry, etc.
- Operated and calibrated laboratory instruments and equipment specific to bioanalytical and electroanalytical techniques, ensuring accuracy and reliability of measurements.
- Worked collaboratively with other team members, researchers, and possibly external collaborators to achieve research goals and project milestones.

Amrita Vishwa Vidyapeetham Coimbatore
Coimbatore, TN, India

Project Associate
01/2024 - 07/2024

Project Title: Synthesis of Tungsten disulphide Quantum Dots for Sensing Applications

- Synthesized WS2 quantum dots using the eco-friendly hydrothermal method, known for its simplicity and environmental compatibility.
- Characterized the synthesized WS2 quantum dots using Transmission Electron Microscopy (TEM), X-ray Diffraction (XRD), UV spectroscopy, Raman Analysis and Photoluminescence (PL) studies to verify their structural and optical properties.
- Developed a selective Fe3+ ion sensor based on WS2 quantum dots utilizing a turn-off mechanism.
- Addressed the critical environmental need for monitoring Fe3+ ions in water and soil samples due to their toxicity and environmental impact.

Education

Amrita Vishwa Vidyapeetham, Coimbatore
Coimbatore, TN, India

Bachelor's Degree in Chemistry
07/2019 - 06/2022

Amrita Vishwa Vidyapeetham, Coimbatore
Coimbatore, TN, India

Master's Degree in Chemistry
07/2022 - 07/2024

Languages

Tamil Native ●●●●●

English Proficient ●●●●○

Malayalam Beginner ●○○○○