

Swapna Samala (M.Sc, Ph.D. in Chemistry)
Road no. 4, Sri sai nagar (RNS) colony
Boduppal - Hyderabad
Email id: swapna.samala@ymail.com
Ph: +91 6303079026



Key Skills

- Synthesis and development of new organic molecules
- Sound knowledge of isolation, separation and purification techniques
- Interpretation, identification and characterization of molecules using H^1 -NMR, C^{13} -NMR, ICP-OES, LC-MS, ESI-MS, HPLC and FTIR
- Independently propose, direct and perform chemical reactions/ experiments with a predefined project goal such as developing new methodologies, protocols and procedure
- Involved in lab/group operation including coaching, mentoring, training, supervising
- Positive and confident individual with strong work ethics
- Scientific and numerical skills
- Operating Systems:- MS-DOS, Windows-XP/2007/2008 & Packages: Ms-Office 2007
- Scifinder, Reaxys, Chem-draw and Chem Sketch

Work Experience

Manager(R&D)

May-2022 to till the date

Biosyn Research Chemicals-Hyderabad

- Lead key projects with R&D to support business goals
- Understand customer expectations on to-be manufactured products
- Determine and execute improved technologies used by suppliers, competitors and customers
- Transfer new technologies, products, and manufacturing processes into and out of the company
- Research, design and evaluate materials, assemblies, processes, and equipment
- Assess the scope of research projects and ensure they are on time and within budget
- Support management to hire and develop R&D personnel
- Suggest training tools to enhance employee performance and skill development
- Preparing cost sheets for new projects and ensure timely delivery

- Establish and maintain testing procedures for assessing raw materials, in-process and finished products
- Manage or mentor a team of research staff
- Oversee budgeting and cost forecasting of research programs
 - Reporting to General Manager – R&D

Research Scientist (R & D)

Nov-2020 to April-2022

Sambi Pharma Pvt Ltd-

Hyderabad

- Plan for the project execution in a smooth manner
- Finding the best route for the target molecule synthesis
- Trial batches for cracking feasibility and critical steps in the reaction
- Multi steps; mg scale to gram scale reactions
- Responsible for the large scale reactions by guiding the team members
- Apply experience and knowledge to identify and implement improved ways of working
- Manage, lead, motivate, train and develop a team
- Responsible for managing projects with the scientific integrity of client projects in a timely, effective and high quality manner
- Responsible for providing liaison communication with key members of client organizations
- Computer literacy in the form of MS-Office, on-line computer searching
 - Reporting to Director – R&D

Research Associate (R & D)

September–2013 to October–2016

Chiral Biosciences Pvt Ltd- Hyderabad

- Collection and evaluation of literature, costing and scalability of processes.
- Design for ROS for target molecules; multi step organic synthesis
- To ensure good laboratory practices in the lab.
- Maintenance of documents like patents, literature, analytical reports
- Research, Synthesis, Validation, Documentation, Calibration, solution preparation, analytical instrumentation like GC, HPLC , UV-VIS-spectrophotometer, Elemental analysis & titrations
- Preparing research proposals and funding applications
- Demonstrating procedures and supervising junior staff including scholars and lab technicians
- Developing original solutions to problems
- Process development for new drugs & intermediates.

- Responsible for literature survey and its analysis to plan a non-infringing, scalable and economic route; patent analysis preferred.
- Synthesis of new or existing molecules by employing different methods. Key involvement in the process development scale-up by optimization of reaction conditions / manufacturing process and validation.
- Comply with all regulations and policies; Perform all work in safe manner; Maintain proper records (notebooks, analytical data and scale-up records) as per relevant SOP's including environmental and safety.
- Route scouting, chemistry evaluation, process development, optimization of drugs.
- Monitoring the daily research activities and give effective solutions.
- Liaising with representatives from other departments like manufacturing and Quality dept. to update on progress and also communicate future requirements for product transfer
- Actively involved and provided necessary back bone support to the team for customer Perrigo audits and ISO 9001:2008, ISO 22000:2005 and US-FDA audits.
 - Reporting to Dy. Manager – R&D

Education Details

- PhD Synthetic Chemistry (2021) - IFHE & IICT- Hyderabad.
- M.Sc Organic Chemistry (2013) - Mahathma Gandhi University, Nalgonda (84%)
- B.Sc.(Bio-technology) – (2011) Osmania University Hyderabad (72%)
- Intermediate (2008) Board of Intermediate Education (76.4%)
- SSC (2006) Board of Secondary Education (69%)

Thesis Title:

Synthesis, characterization and study of thermal properties of compounds, composites and complexes of transition metal Cobalt.

Personnel information

Name: Swapna Samala

Father's name: Shankaraiah

Husband's name: B. Naresh Kumar

Date of Birth: 19th Sep – 1992

Nationality: Indian – Hindu

Language's known: Telugu, English and Hindi

Contact number: +91 6303079026, +91 8367251551