



VISHAL KUMAR NAGAR

Scientist | Medicinal Chemistry | Data Analysis
| Team Leadership | Associate Professor

+91 9408 658 811

@ vishalnagar410@gmail.com

Ahmedabad

Skills

Spectroscopic Analysis

NMR | 2D NMR | Mass | IR | HPLC

Literature

Reaxys | Scifinder | PubChem |
patent databases.

Software Tools

Mestrenova | Chemdraw

Data Analysis Tools

MS excel | Python | PowerBi | Tableau

Publications

Paper

Tetrahedron Letters 60 (2019) 358–361

Patents

WO 2020/104956 A1, US 2021/0371992 A1

Education

Ph.D. in Med. Chemistry

NIRMA UNIVERSITY, Ahmedabad

2021–present

M. PHARMA (Med. CHEMISTRY)

NIRMA UNIVERSITY, Ahmedabad

2009–2011

B. PHARMA

LACHOO M.C. OF SC. & TECH, Jodhpur

2006–2009

D. PHARMA

LACHOO M.C. OF SC. & TECH, Jodhpur

2004–2006

GATE

2009 (p97.45, AIR-601)

2008 (p94.5, AIR-1497)

Machine Learning / Data Science

Top Mentor, Pune (Internship)

Summary

With over **13** years of experience as a **Scientist** in **Synthetic Organic Chemistry**, I have effectively led a team of **15** scientists, achieving compliance with rigorous regulatory standards in the **synthesis** and **characterization** of pharmacopeial **API impurities**. My proficiency in interpreting spectroscopic analysis data like 2D NMR, MS and HPLC have notably enhanced **quality** of Data.

Work Experience

Associate Professor

2024 Nov–till Date

Arihant School of Pharmacy & Bio-Research Institute

Developed a comprehensive **knowledge building** curriculum, enhancing student engagement.

Team Leader

2022 Oct–2024 Oct

Pharmaffiliates Analytics and Synthetics P. Ltd.

Managed a team of **15 scientists** to tackle compliance challenges in **API impurities synthesis**, ensuring adherence to **USP, EP, and BP standards**.

Addressed challenges in **deuterated API impurities** by synthesizing and characterizing **drug metabolites**.

Lead Scientist-II

2021 Jul–2022 Oct

Amuna Pharmaceutical LLC

Managed several projects (API, FTE and FFS) from multiple collaborations in parallel. Optimized resource allocation for multiple research projects.

Research Scientist

2016 Oct–2021 Jul

Piramal Discovery Solutions Pvt Ltd.

Managing various **medicinal chemistry projects**. Developed **electrochemical** method for Synthesis of heterocycles.

Senior Research Associate

2016 Jun–2016 Oct

Jubilant Chemsys Ltd.

Formulated innovative **route designs** for **Heterocyclic compounds**.

Senior Research Associate

2015 Oct–2016 May

Apicore Pharmaceutical Pvt Ltd.

Overcame complex synthesis **challenges** by executing **70** distinct steps for **Eribulin** at a **100g** scale.

Research Associate

2011 May–2015 Sep

Oxygen Healthcare Research Pvt Ltd.

Executed **peptide synthesis** using **various resins** (solid support synthesis of peptides.)