

# RESUME

**NAGENDRA PRATAP SINGH**

☎ +91-8604975759

✉ [nagendra3210@gmail.com](mailto:nagendra3210@gmail.com)

LinkedIn: <https://www.linkedin.com/in/nagendra-pratap-singh-2a95a4158>

**Strategic: Level Professional [M2]**



I am interested to work in your organization as a Research Designee. I have the experience and the skills you are looking for in an ideal candidate. As requested, I have enclosed my resume that will give you detailed information and work experience, I always wanted to be a part of your research team, I hold a master's degree in Organic chemistry from Dr. Ram Manohar Lohia Avadh University in 2016, Moreover with an experience of more than 4.0 years In API-R&D and Process Chemistry currently working in TCG Lifesciences Pvt.ltd as Senior Research Chemist PR&D.

## Profile Summary

- Independently performs scientific experiments aimed at optimizing and developing the necessary understanding of chemical processes to enable larger scale manufacturing of APIs.
- Performs routine and most complex laboratory analyses and experiments with little to no supervision.
- Applies appropriate laboratory and process safety equipment and techniques in the course of research and development experiments.
- Evaluates and detects problems with chemical processes and contributes ideas and suggestions in developing methods and techniques for solutions to those problems based on literature research, consultation with the project team and project lead and prior experience.
- Proficient with understanding Good Manufacturing Practices (GMPs) and with how GMPs apply to the development of a process.
- Develops understanding of when and how to apply the appropriate analytical techniques to generate data that support the necessary level of understanding of chemical processes such as NMR, HPLC, UV, GC,GC-MS,LC-MS, DSC, XRPD KF and LOD.
- Independently prepares scientific reports and documents and presents findings to the project team and clients.
- Participates in project management activities including: purchasing materials and creating and continually assessing objectives for timelines, budgets, and project goals. May provide guidance and training to various levels of more junior chemists.
- Follows all Standard Operating Procedures (SOPs) and Good Laboratory Practices (GLPs).
- To carry out any other duties which are within the employee's skills and abilities whenever reasonably instructed.

## **TECHNICAL SKILLS**

- Development of new methodologies for organic multistep synthesis,
- Synthesis of Organic Molecules and their Impurities by employing different methods,
- Independently handling all type of glassware assembly arrangement, reaction reagent charging, maintaining temperature, nitrogen, Ammonia, downward high vacuum distillation.
- Purification like combiflash, gravimetric Column, column packing. Deciding phase.
- Capable of collaborative and independent research.
- Handle Autoclave for Catalytic Hydrogenations like Pd/C, Reney Nickel, Pt/C.
- Handling Rota Vapours, UV, Melting point apparatus, pH meter, IR Halogen moisture Analyser
- Handled Isolator for OEB 3 and above Onco API's
- Worked on biocatalytic reaction by using Enzymes.
- Worked with NaCN Mg to kilo scale.
- Worked on Chiral Chemistry.
- Celebrating Weight balance PH meter, IR Halogen moisture Analyser.

## **ORGANIZATIONAL EXPERIENCE**

---

### **TCG Lifesciences Pvt.Limited "Senior Research Chemist"Nov'2020-till date.**

---

- completed work with in timeline given by the clients.
- Be able to develop and optimize synthetic methods to synthesize compounds using appropriate chromatography, inert-handling techniques, conventional and cytotoxic reaction and distillation techniques.
- Knowledge to characterize the products of chemical reactions using appropriate instrumentation including, but not limited to, NMR, GC-MS, HPLC, GC, IR spectroscopy, mass spectrometry and elemental analysis.
- Meeting weekly basis with key administrative and technical staff to receive performance tasks, report progress, and troubleshoot technical issues,
- Prepare weekly update and reports as well as detailed reports on the procedures, protocols, and experimental data in a suitable format for publication in relevant scientific journals or patent disclosure if applicable.
- Coordinate with team members and administer effective project delivery.
- Maintain laboratory chemical inventory according to established standard operating procedures.
- Analyze all projects and identify projects to improve its efficiency and ensure better understanding of molecules.

---

### **Shivalik Rasayan Limited "Executive API-R&D Oncology"July'2019-Oct'2020.**

---

- Develop research plan to achieve all research objectives, implement plans into effective action and prepare scientific reports on same.
- Maintain a safe, well-stocked and clean laboratory in accordance with SOP technical and safety protocols,
- Prepare purchase orders as needed to support synthesis of new chemical entities and to maintain laboratory inventory,
- Support any laboratory activities, to include general upkeep as well as chemical storage and movement and equipment usage and maintenance,

- Report all maintenance issues of both the laboratory equipment to the proper SOP Protocols.
- Train and mentor new laboratory chemists supporting this task, in accordance with all SOP laboratory procedures and protocols, to include assisting with in-processing and orientation of new laboratory chemists supporting this task,
- Assist the project teams as needed with all aspects of the synthesis, purification and characterization of compounds and execute administrative tasks in support of the efforts detailed in this task,
- Evaluate all data to identify problems in coordination with Team Leader, process research results.
- Ensure that the appropriate PPE is utilized, and be aware of and observe appropriate safety and occupational health rules and regulations and procedures developed by SOP staff,
- keeping up to date with relevant scientific and technical development
- Prepare and analyze data for internal meetings in coordination with various departments.
- Perform all laboratory process in compliance with established protocols, as per SOP and GLP.
- Coordinate with various departments to perform complementary experiments to observe acute processes laboratory and identify effect of these behaviours.

#### **Oneiro chemical Pvt.Limited "Research&development officer"April'17-July'19.**

- Planning given by Team leader and conducting experiments.
- recording and analysing data.
- collecting samples and presenting results to senior/other research staff.
- writing LNB,reports & demonstrating procedures,supervising junior staff including technicians.
- organising product/materials testing.
- ensuring that quality standards are met.
- developing original solutions to problems.
- keeping up to date with relevant scientific and technical developments.

#### **KEY ACHIEVEMENTS**

- Achieved Certificate of Appreciation in Shivalik Rasayan Limited for API development.

#### **IT SKILLS**

- MS Office (Word, Excel & PowerPoint),
- Good knowledge of internet applications and skillful data retrieval from various search engines  
Like Chem-Draw, Scifinder, Science Direct, Google Scholar, SciHub ,Organic Syntheses,etc..

#### **ACADEMIC DETAILS**

M.Sc. Organic chemistry	Dr. Ram Manohar Lohia avadh University, Ayodhya	2016
-------------------------	---	------

B.Sc. Chemistry	Dr. Ram Manohar Lohia avadh University, Ayodhya	2014
-----------------	---	------

### **PERSONAL DETAILS**

---

- Father's Name: Danpal Singh
- Mother's Name: Yashoda Devi
- Languages Known: English, Hindi and Awadhi.
- Address: 100,Churkuna Ashrafpur, Baisiya,Post-Kanouli,Dist-Sultanpur,  
Uttar Pradesh,India Pin Code-228125
- Passport No: S7998597

### **DECLARATION**

I hereby declare that the above furnished details are true to the best of my knowledge.

**Date:**

**Place: Kolkata  
Pratap Singh**

**Nagendra**