**M. BHOOPAL**

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**Seeking positions in the field of** **Research and Development**

* Offering over 20 years of experience in the field of process research and Development (pharma and agrochemicals); currently associated with NACL Industries, Hyderabad as **DGM-R&D lead-**Process development & as an factory manager. Qualified PH.D (Chemistry) from Osmania University Science College, Hyderabad.
* Possesses sound knowledge of planning and multiple project management skills and managing the admistrative related issues to run the R&D department.
* Supporting manufacturing unit, with improving and trouble shooting in the existing projects.
* Proven track record in preparing multi-step substances (Agrochemical active ingredients, Drug intermediates, API molecules, Custom chemicals).
* Knowledge in product registration (Regulatory) process in coordination with regulatory department.
* Knowledge in GLP monitoring.
* Active involvement in required recruitment process, in coordination with HR department.
* Outsourcing /monitoring the projects, to push the projects to complete in time.
* Adept in following up ICH Guidelines, Stability studies, residual solvents & impurities as well as handling the hazardous reagents.
* Handling development of commercially viable process for various type of molecules.
* Deft in handling micro scale and large scale reactions
* Adroit in experimental techniques and preparation of standard laboratory procedures
* Demonstrated abilities in polymorphic studies and crystallization techniques and conducting literature surveys for concerned projects.
* Skilled in doing study of purity and impurity profiles of the sample with the aid of analytical techniques (HPLC, GC etc).
* Strong team player with excellent analytical, multitasking and problem solving abilities.

**CORE SKILLS**

* Research & Development
* Process development for various molecules (from gram scale to commercial scale)
* Literature search (using scifinder, reaxy, like tools) and route scouting.
* Route selection
* Identification and synthesis of impurities
* Project Management
* Synthesis of Multi-Step Substances.
* Experience in technology transfer (lab to pilot and plant).
* Training & Development
* Organic Synthesis
* Purification Techniques
* Literature Search

**EMPLOYMENT RECITAL**

**Since May 12th 2021 to till date: Working as a DGM-R&D lead & factory manager at Nagarjuna Agro chemicals LTD. Hyderabad.**

**Growth Path:**

***Oct 6th 2014 to May 7th 2021*:** Principal scientist process development at **ADAMA INDIA.**

*Jul’11- Nov 2014 Senior Scientist – Process Development,* **Suven Life Sciences Ltd., Hyderabad**

*May’06 – Jun’11 Scientist - Process Development,* **Suven Life Sciences Ltd., Hyderabad**

**Sep’05 – Feb’06 | Korea Advanced Institute of Science and Technology, South Korea**

**| Postdoctoral Person**

**Nov’04 – May’05 | Indian Institute of Technology, Madras | Research Associate**

**Role:**

* Spearheading a synthetic research and development team and taking care of process optimization and validations, from lab scale to commercial scale.
* Planning the day to day activities, coordinating with inter related departments and preparing documents for technology transfer based on laboratory studies.
* Troubleshooting and supporting to commercial production.
* Providing training to the subordinates to enhance the productivity and resolving their queries.
* Efficiently ensuring that the projects are completed on time and also prepared project reports as well as documentations.
* Identifying, collecting, processing, analysing and cataloguing data according to established protocol, procedures & standards, as appropriate to specific objectives.
* Accountable for doing literature search and also taking care of route selection.

**Projects Handled:**

* Successfully developed process for the following substances:

**Agro chemicals**

* **Cyazofamid (fungicide, have a patent WO2018/154582 A1)**
* **Mesosulfuron (Herbicide, have a patent WO 2017115137 A1)**
* **Bispyribac sodium (Herbicide)**
* **Halauxifenmethyl ester (Herbicide).**
* **Indoxacarb (Insecticide)**
* **Chloroantraniliprole (Insecticide)**
* **Pyroxasulfone (Herbicide)**
* **Prothioconazole (Fungicide)**
* **Clodinafop (Herbicide),**
* **Haloxyfop methyl ester (Herbicide, provisional patent application submitted)**
* **Propioconazole (Fungicide),**
* **Azoxystrobin (Fungicide, provisional patent application submitted)**
* **DIPPT (diafenthiuron intermediate)**
* **Thifluzamide (Fungicide)**
* **Picoxystrobin (Fungicide).**
* **Glufosinate ammonium(Herbicide).**
* **Tebuconazole (Fungicide).**
* **Pymetrozine (insecticide).**
* **Difenoconazole (Fungicide)**

**Pharmaceutical chemicals**

* **Deferasirox-Iron Chelator,**
* **Tioconazole-Anti Fungal Drug,**
* **Montelukast intermediates**
* **3-Piperazinyl-1, 2-benzisothiozole is an intermediate used in Ziprasidone synthesis**
* **R&S–3-Hydroxy-N-Benzylpyrrolidine (>99.5%ee) used in Carbapanem antibiotics**
* **R&S–3-Amino-N-Benzylpyrrolidine (>99.5%ee) used in Clinafloxacin synthesis**
* **R &S –3-Cyano-N-Benzylpyrrolidine.**
* **2-Amino-6-nitrobenzoic acid.**
* **(4-chlorophenyl)phenylmethyl Piperizine**
* **(S)-3-Aminoquinclidine**
* **Tetrahydrofuran-3-one**
* **TBD**

**Fluorine chemistry (Halex reactions)**

* **4-Fluorobenzene**
* **4-Fluorophenol**
* **3,4-Difluoro benzonitrile**
* **2-Fluorobenzonitrile**

**Patents**

* Cyazofamid; Process for preparation of 2-Cyano imidazole’s, (WO2018/154582 A1;

IN 201731006545).

* Process for preparing 1,1, 3-trioxo-1, 2-benzothiazole- 6-carboxamide (WO 2017115137 A1; IN 201631000085).
* **A PROCESS FOR PREPARATION OF AZOXYSTROBIN”** bearing application no **202241023912**.

**SCHOLASTIC**

2004 PH.D (Chemistry) from Osmania University Science College, Hyderabad

1996 M.Sc. Chemistry from Osmania University Science College, Hyderabad

1993 B.Sc. (BZC) from CKM College, Warangal, Kakatiya University

**TECHNICAL FORTE**

* Well versed with Windows, MS Office, Chemdraw, ISI Draw, Scifinder Search and Internet Applications.

**PERSONAL SNIPPETS**

Date of Birth : 13th July 1973

Languages Known : English, Hindi and Telugu