

## ***CURRICULUM VITAE***

**Mr. Sudhakar Maruti Balgude**

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Nationality	Indian
Marital Status	Married
Sex	Male
Date of Birth	7 <sup>th</sup> March 1987

### **Carrier Objectives**

- Seeking a suitable position in an esteemed organization with challenging and stimulating work environment; where my expertise, experience, ability and education can be shared and enriched with enhancement of talent.

### **Profile Summary**

**Pharma professional with ~13.5 years of Industrial experience in Drug Discovery Research as a Medicinal Chemist, having well hand over literature search, synthesis of new molecules, selection of route of synthesis, multi-step synthesis and scale-up of potential NCEs/intermediates.**

- My role is to discover, synthesize and develop Novel Small Molecules (NCEs) of Desired Therapeutic areas like Metabolic Disorders, Oncology & CNS Targets.
- Expertise in efficient and safe synthetic route design, to find patent space for molecules and to develop SAR to find a Potent and safe molecule in respective therapeutic area to file IND and NDA.
- Basic knowledge of Regulatory affairs, clinical research and Pharmacovigilance.
- Skilled in literature search, IP evaluation, publication & patent drafting.
- **Software's and Databases used – TIBCO SPOTFIRE, ELN, ChemBioOffice Enterprise (CBOE), Chem draw, Reaxys and Scifinder.**

## Area of Expertise

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- Medicinal chemistry; Evaluation of biological, DMPK and toxicological data.
- **Worked on CNS target (Candidate went up to Phase 2).**
- **Worked on 4 different Cancer projects.**
- Team Player having strong Presentation and Communication skills with trouble shooting capabilities.
- Heterocyclic Chemistry and enantioselective synthesis.
- Handling hazardous, moisture and air sensitive reagents/reactions.
- Compound Purification using chromatography techniques (Preparative TLC, Column chromatography, Flash chromatography, crystallization and precipitation).

## Educational Qualifications

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- **PG DIPLOMA in Patent law** from National Academy of Legal Studies & Research (NALSAR) University Hyderabad, India **(2021-2022- Grade A)**. Course includes IPR - Copyrights, Prior art search, FTO, Trademark, GI, Basics of patent drafting and Patent infringement. Patent filing.
- **PGDRA (Post Graduate Diploma in Regulatory Affairs)** from **Global Institute of Regulatory Affairs**, Pune, India **(2017-2018- 1<sup>ST</sup> CLASS)**.

Sr. No.	Name of Exam	Board/University	Year	Percentage (%)	Class/grade
1	M.Sc. (Organic Chemistry)	Pune	2009	72.28%	Distinction

## Professional Experience/Highlights

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### 1) PI Industries ltd, Discovery Chemistry department for crop protection.

**Senior Research Scientist (November 2022- till date)**

- Designing, Synthesis, Purification and Characterization of Novel small molecules for Discovery of Pesticides (e.g., Insecticides, Fungicides etc.)

### 2) Lupin Research Park, Pune, Maharashtra, India

**Department of Novel Drug Discovery and Division of Medicinal Chemistry,**

**Associate Scientist (Sept 2009- Oct 2022)**

- Worked as a Medicinal Chemist on different Therapeutic areas like Metabolic Disorders, Oncology (4 different target projects) & CNS Target (IND filed went up to Phase -2 Clinical trial).

## **Professional Competence**

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- Prior art search, Designing and Synthesis of Novel small molecules in drug discovery with involvement in a wide range of early stage to candidate identification of Desired Therapeutic areas like Metabolic Disorders, Oncology (4 different target projects) & CNS.
- Hit to lead optimization to identify promising lead compounds and scale up of such identified lead compounds for different therapeutic targets.
- To develop SAR based on biological evaluations, DMPK and toxicological data, to find a Potent and safe molecule in respective therapeutic area to file IND and NDA.
- Expertise in synthetic chemistry, which includes retrosynthetic analysis, design and optimization of multi-step synthetic routes for novel small molecules, heterocyclic chemistry Library synthesis & enantioselective synthesis.
- Interpretation of spectral data from LCMS, HPLC, NMR & good Knowledge of safety aspects in the lab and hazardous nature of chemicals, incorporation of safety practices in day-to-day work.
- Troubleshooting of synthetic issues and making alternative synthetic strategies by proper literature search through scientific databases such as Scifinder and Reaxys.
- Expertise with the application and handling of manual and automated column chromatography Purification Techniques (Biotage, Grace, Combi flash Purifiers), Microwave Biotage from mg to gm scale microwave irradiation reactions.
- Skilled in literature search, IP evaluation, publication & patent drafting.
- Lab management: Safety, documentation, ordering consumables and solvents required.
- Highly motivated, determined and productive researcher, used to working under pressure either independently on my own initiative or as part of a team and ability to plan, organize and prioritize work plans.
- Management and training to Trainee and junior chemists for their career development.
- Regular and accurate recording of electronic LNB's, analytical data reports as per SOP guidelines.
- In addition to this developing effective communication and customer focus with cross functional team members regarding project work are part of my responsibilities.

#### **Publications (Papers)**

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- 1) **Discovery of novel, potent, brain-permeable and orally efficacious positive allosteric modulator of alpha 7 nicotinic acetylcholine receptor,**  
*J. Med. Chem.* 2020, 63, 3, 944–960

#### **Publications (Patents)**

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- 1) **WO 2014/072957 A1**  
Title: **THIAZOLE DERIVATIVES AS ALPHA 7 NACHR MODULATORS.**
- 2) **WO 2015/151006 A1**  
Title: **Substituted Purine Compounds as BTK INHIBITORS.**
- 3) **US20150299178**  
Title: **THIAZOLE DERIVATIVES AS ALPHA 7 NACHR MODULATORS.**
- 4) **EP2945936**  
Title: **THIAZOLE DERIVATIVES AS ALPHA 7 NACHR MODULATORS.**
- 5) **WO 2021/105960 A1**  
Title: **Substituted Tricyclic compounds.**

#### **Achievements/Awards**

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- Rewarded with the “**LUPIN BRAVO AWARD (Award for Excellent Performance)**” in 2015 for outstanding contribution in the value of Passion for Excellence & Teamwork in Drug Discovery Research.
- Rewarded with **ESOP AWARD** from President of NDDD, Lupin ltd. for Excellent Performance Rating Continuously for two years in a row

## References

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<p><b>Dr. Ashok B. Pathak</b> CEO at AnaSyn Labs Pvt. Ltd. Pune, Maharashtra, India Mob. No: (91)9765698000 E-mail: <a href="mailto:ashokbpathak@gmail.com">ashokbpathak@gmail.com</a></p>	<p><b>Dr. Milind Sindkhedkar</b> Senior General Manager, Lupin Ltd, Pune, Maharashtra, India Mobile: (91)9822808551 E-mail: <a href="mailto:milindsindkhedkar@lupin.com">milindsindkhedkar@lupin.com</a></p>
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