

# CURRICULUM VITAE

## SAMPAT YEWAE

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### PROFESSIONAL SUMMARY AND OBJECTIVE

Experience in the Process Development of API and Intermediate, fine chemicals, pharmaceuticals impurities, and allied industries for contract Development and Manufacturing, Flow chemistry optimization and scale up, Fluorinating Reaction literature surveys, and technology transfer.

To contribute effectively to the organization through my experience, knowledge, creativity, learning capabilities and by being committed towards mutual growth and fulfillment.

### AN OVERVIEW

A performance-driven professional with extensive experience of **17+ years** in:

#### **R&D / Process Development**

- Currently associated with Glenmak lifesciences Ltd Navi Mumbai as **Senior Research Officer** Expertise in New Product Development, Cost improvement process development, Process Intensification, Costing & Development Operations, contributing to enhance efficiency and productivity.
- Comprehensive knowledge and keen interest in Synthetic Organic Chemistry and Analytical chemistry.
- An effective communication with excellent skills in building relationships. Possess strong analytical, problem solving and organizational abilities.

### AREA OF EXPERTISE

#### **R&D / Process Development / Project planning and Management**

- Expert in carrying out synthesis from milligram to kilogram scale.
- Expert in multi-step synthesis.
- Expertise in characterization/analysis of intermediates and FG by NMR, Mass, IR & GC.
- Experience in purifying the synthesized molecules by using Combiflash, Column chromatography / Flash column chromatography, recrystallization techniques, simple distillation, steam distillation, fractional distillation, etc.

- Reviewing the development-related procedures for ensuring compliance with various standards.
- Capable of adapting to the new work environment and always ready to take on responsibilities.
- Coordinating the entire development activities including literature survey, raw material ordering, raw material, in-process specification setting and control strategy & analysis, planning, process optimization, finalizing specifications and DHR preparation.
- Expertise in project planning, project management & cost improvement process for existing products.
- Experience in handling pyrophoric chemicals like Grignard reagents, BH<sub>3</sub>-THF, BH<sub>3</sub>-DMS, Raney-Nickel, Pd/C, etc.
- Handled various types of Moisture sensitive Reactions & Reagents such as n-BuLi, DIBALH, LDA, NaBH<sub>4</sub>, LiBH<sub>4</sub>, LAH, NaH, PDC to name few.
- Carried out a variety of organic reactions such as Aldol condensation, Dieckmann condensation, F.C acylation, Dakin's oxidation, Grignard reaction, Suzuki coupling, Buchwald coupling, Bromination, Reductions / Hydrogenation, Epoxidation, etc.
- Handled various high-pressure hydrogenation reactions on a Parr shaker, autoclave (1 Lit to 10 Lit) and microwave oven.
- Handled SPD setup for the distillation of heat-sensitive compounds.
- Handled 10 Lit, 20 Lit, 50 Lit glass line assemblies for the validation of products on a Kg scale.
- Experience in the validation of products on a pilot plant to production scale.
- Involved in safety-related activities like general lab safety, HAZOP, PHA, PSSR, etc.
- Effluent treatment study.

## PROFESSIONAL EXPERIENCE

### ❖ **Glenmark life sciences Mahape MIDC, Navi Mumbai as R&D-Senior Research Officer (From Aug-2015 to till date)**

Glenmark Life science is the global leader in manufacturing API and Intermediate.

#### **Job Responsibilities:**

1. Responsible for the design, development, and implementation of new products.
2. Leading a team of scientists and other professionals dedicated to innovation, quality improvement, and solving complex technical challenges.
3. Performing the role of aligning R&D initiatives with business goals, ensuring that projects are completed on time, within budget, and meet high standards of quality and performance.
4. Development and implementation of R&D strategies and initiatives.
5. Leading and managing R&D projects from concept to commercialization.
6. Collaborate with cross-functional teams, including marketing, sales, and production.

7. Monitor and analyze industry trends to identify opportunities for innovation.
8. Ensure compliance with regulatory requirements and safety standards.
9. Manage the R&D budget and allocate resources effectively.
10. Drive continuous improvement in product quality and performance.
11. Evaluate and integrate new technologies and methodologies.
12. Prepare and present reports on project progress and outcomes.
13. Foster a culture of creativity, collaboration, and continuous learning.
14. Monitoring team metrics and objectives ensuring the meeting of goals.
15. Documentation of all phases of research and development.

❖ **Mylan laboratories Ltd, as Assistant-Manager-R&D (From Dec 2009 to Aug 2015)**

Mylan laboratories is a global leader in Active pharmaceutical Ingredient and Formulation manufacturing Organization.

**Job Responsibility:**

1. Literature search by using SciFinder, Reaxys & Patent search.
2. Process development of new phase one phase two molecules & their backward integration.
3. Raw materials & in-process analysis method development.
4. Support to HAZOP & PHA studies.
5. Preparation of costing sheet, SOP, PT document, etc.
6. Pilot plant trials & technology transfer.
7. Effluent treatment study.
8. Continuous process improvement of new & existing products.
9. Reactions like high-pressure hydrogenations, Aldol condensation, Dieckmann condensation, Dakin's oxidation, F.C. Alkylation, Esterification, Bromination, synthesis of Schiff base, etc.
10. Handling of Isolator and operation and maintenance.
11. Product purification & isolation by simple distillation, fractional distillation, steam distillation, crystallization, etc.
12. General lab safety & routine laboratory maintenance.

❖ **Evotech Pharma Labs as Research Scientist (From June 2007 to Dec 2009)**

Formerly known as Chembiotek Research Pvt Ltd. "TCG Life Sciences" is a leading Contract Research Organization in Kolkata, India providing Chemistry & Biology services to the leading Pharmaceutical Organizations.

**Job Responsibility:**

1. Route scouting, literature search by using SciFinder & Reaxys.
2. Multistep synthesis of medicinal chemistry & agrochemical projects.
3. Product characterization using instrumental techniques such as <sup>1</sup>H-NMR, LC-MS, UV, IR, etc.
4. Reactions like alkylation, acylation, various coupling reactions, diazotization, microwave-assisted reactions, etc.

5. Reactions by using n-BuLi.
6. Purification and isolation of compounds by column chromatography, flash column chromatography by using a Biotage instrument.
7. Experimental write-up in ELNB & preparation of Project report.

❖ **Elder Pharma as R&D Chemist (Nov'2005 to Jan 2007)**

Elder pharm industry engaged in manufacturing API & pharmaceutical intermediates and speciality chemicals in Mumbai and Patalganga, India.

**Job Responsibility:**

1. Process development & plant support to existing molecules
2. Plant batches troubleshooting
3. Reactions like Rosemond reduction, F.C. Acylation, Esterification, Amide synthesis, debenylation, etc.
4. Worked on the synthesis of Lisinopril & Enalpril intermediates.

❖ **National Chemical Laboratories and Arti Industried As project Assistant (Aug'2003 to Nov 2005)**

1. Basic Literature and small scale reaction & plant support to purification for the senior for molecules.
  2. Reactions like Rosemond reduction, F.C. Acylation, Esterification, Amide synthesis, debenylation, etc.
- Worked on the synthesis of one step two step molecules intermediates

**ACADEMIC QUALIFICATION**

- **2001-2003** M.Sc. from Nagar college Maharashtra Pune University, / Scored 59%
- **1998-2000** B.Sc. from A.A. college Manchar Maharashtra Pune University, / Scored 72%
- **2011-2012** Diploma in regulatory Affairs IPM institute Mumbai

**IT Forte:** Microsoft Office (Word, Excel, PowerPoint), Chemistry Software's such as Beilstein, Reaxys, Scifinder, ChemDraw, ISIS Draw, MDL, genotoxic impurity evolution and report generation, nitrosamine impurity report preparation and evolution etc.

## **PERSONAL DETAILS**

- Date of Birth: 15<sup>th</sup> June 1977
- Linguistic Ability: English, Hindi and Marathi
- Marital status: Married
- Current Address: D-302,Precious Residency,CHS, Sector-19, Kamothe, Navi  
Mumbai 410209

## **REFERENCE**

Dr. Santosh Crasta  
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