

## CURRICULUM VITAE

Mr. - Gulab Manik Salunke  
A/P - Nagazarwadi,  
Tal. - Kallam  
Dist. - Osmanabad.  
Pin - 413507  
Mob. No-8692923969/7977588266  
E-mail- [salunkegulab@ymail.com](mailto:salunkegulab@ymail.com)



### **Objective: -**

To pursue a challenging career, where I can apply my knowledge, experience and acquire skills by working with a team of highly experience professionals.

### **Professional Summary & Key Skills: -**

- A result oriented professional with around 12 years of extensive experience in aroma chemicals, dyes manufacturing sector in the area of R&D, synthesis, product development, Process optimization, Cost reduction, Technology adoption, Analytical method development, Sensory analysis.
- Good market knowledge of fragrance ingredients, Synthetic Resin, polymer Additives.
- Communication and people management skills that have been sharpened through managing multi skilled teams.

### **AN OVERVIEW**

#### **Current company Profile: -**

<b>Company Name</b>	: -	MANGALAM ORGANICS PVT LTD Kumbhivali, KHOPOLI
Company details	: -	Manufacturer of camphor, Terpene chemicals & synthetic Resin
Designation	: -	Manager -R&D
Experience	: -	10 months (01dec.2022 to till date)

#### **Job Profile** : -

- Responsible for all Innovations & R&D activities.
- Expertise in generating new ideas and thought by designing n novel synthetic routes for process, optimization, development and scale up.
- Synthesis of Terpene chemicals, (Camphor, Di pentene, sodium acetate & their derivatives.) synthetic Resin (Terpene phenolic, Alkyl phenolic, Glycerol modified Rosin ester, Penta modified Rosin ester etc.
- Modification and improvement in existing products in Manufacturing departments.
- Familiar with RMC sheet & volume time cycle(working on alternative & new raw materials)

- Exposed to high -pressure & hydrogenation reaction using Pd/C, R-Ni and Ru/C catalysts.
- Experience in purification techniques such as extraction, fractional distillation, recrystallisation and column chromatography.
- Planning and Execution of assigned projects through literature search. Preparation of Progress report, SOP, Process Handover Document, Process Transfer document and Cost Sheet for assigned project.

#### **Previous Job profile: -**

<b>Company Name</b>	: -	<b>Yojana Organics Pvt. Ltd Tathwade pune</b>
Company details	: -	pharma intermediate, dyes, agrochemical
Designation	: -	Group Leader -R&D
Experience	: -	6 months (12 July 2021 to 1 Dec 2022)

#### **Job Profile**

- Helping subordinate in Literature Survey of the given target molecule.
- Selection of commercially viable route from different synthetic scheme for the pharma & dyes based on cost effectiveness, Safety and adaptability / Development of environment friendly routes as alternatives to traditional synthetic methods.
- Development of patent non infringing / infringing process.
- Optimization and Validation of process at lab scale.
- Characterization of intermediates / finished product by Spectroscopic Technique.
- To aid or advise or solve (as an individual or as part of a team) manufacturing process problems.
- To promote the quality thinking and the continuous improvement.
- To ensure that work delivered by subordinate(s) is consistent with project definition.

<b>Company Name</b>	: -	<b>Harmony Organics Pvt. Ltd Hadapsar pune</b>
Company details	: -	Aroma Industry (Organic synthesis of F&F)
Designation	: -	Assistant Manager-R&D
Experience	: -	1.2 year (1 may 2020 to 12 July 2021)

#### **Job Profile**

- Develop economical synthetic route/process for any assigned products.
- Collection and comparison of processes and technical information through literature search for assigned any project.
- Planning experimentation based on literature/ available reports.
- Review and interpret the data obtained from experiments and propose necessary changes.
- Technical and commercial study of adopted processes/technology.
- Planning lab as well as pilot trials for evaluation of adopted process/technology transfer and make conclusion report.
- Evaluation of samples of various aroma chemicals from different suppliers and prepare comparison report.

- Process optimization, yield improvement and cost reductions in existing products. Prepare final technical project report after completion of any project.
- Train production supervisors & operators on details of production process before commencing plant trials of new product.
- Analytical method development for new products, raw materials and intermediates.
- Prepare report of progress of research work and present to the top management in management review meeting.
- Check performance of perfumery chemicals w.r.t. stability and odour profile.
- Improvement of quality of existing/new perfumery chemicals as per the customer needs.
- Procurement of new lab equipment, glassware & chemicals through the TCS software (PR ,PO,GRN etc)
- Currently working on CIP on plant product (Reduced time cycle of batches, select economical feasible route ,select green route ,screening of plant catalyst etc)

**Company Name** : - **Eternis fine chemicals Pvt. Ltd. Rabale Navi Mumbai**  
**Company details** : - Aroma Industry (Organic synthesis of F&F)  
**Designation** : - Executive-R&D  
**Experience** : - 4.7 years (10 July 2015 to 31 March-2020)

#### **Job Profile**

- Patents and Literature search through electronic Databases viz. Sci Finder,
- Understanding the new synthetic routes and selecting commercially viable routes.
- Technology transfer document, Analytical data sheet, process batch sheet and Final approval reports.
- Smoothly transfer new product protocols from lab scale to plant for production
- Risk Analysis of new process in scale up and there by supporting pilot plant in risk Analysis data (HAZOP study)
- Analysing and interpreting data using GC, GCMS, FTIR, UV-Vis spectroscopy. etc.
- Handling of columns using different types of resin for the synthesis of new molecule  
Expertise in Hydrogenation reaction at high temp & pressure in Autoclave & can handled various organic reactions Like oxidation, Reduction, Esterification, Rearrangements, condensation, hydration, Organometallic reaction, Epoxidation etc.
- Handled vapour phase/cracking reaction at high temp 500-550°C
- Familiar in handling various catalysts like Raney-Ni, Pd-C, Ruthenium, sodium metal etc.

- Handling of different Types of distillation like High vacuum, Reactive, steam & fractional distillation using different types of columns.
- Batch process and continuous process reaction (CSTR) handled individually.
- Daily maintaining data sheet of reaction using electronic lab notebook & other relevant Experience MS Office, presentation Chem Draw, Sci Finder, preparation of Research reports
- Provide support and solutions to Effluent Treatment Plant (ETP) for simplify processes and purifying the waste water with reduction in COD.
- Expertise in handling air and moisture sensitive Reactions and their purification & Characterization.
- Demonstrated skills in spectroscopic and chromatographic techniques.
- Investigate abnormal results and discuss them with group leaders/Managers.
- Participating in meetings/discussions regarding work related issues and Continuous follow-ups.
- Planning and procuring new equipment's for laboratory and put it in execution. Managing team of chemists.

**Company Name** :- **Tytan Organics ltd. Pawane, Navi Mumbai**  
**Company profile** :- Tytan is a manufacturer of specialty chemicals and intermediates  
**Designation** :- SR. Executive –R&D  
**Experience** :- 1.5 year (7 Feb 2014 to 10th July 2015)

#### **Job Profile**

- Evolution of different synthetic routes, Process Development & technology transfer.
- Organic Synthetic of new molecule for newer applications -method development & standardizing the procedure for newer applications.
- Synthesis of dispersing agent for cement particles (PCE) and oil filed product.
- Making different granules as per particle sizes using Acrylamide copolymer powder
- Successfully commercialized one ingredient of herbicides (propanal)
- Preparation of Bench mark samples and its assessment according to customer requirement
- Played an integral role on the instrumentation of GC (method development)
- Support to Quality department for preparation of standard solution, making of COA, SOP etc.

**Company Name** :- **Privi Organics ltd. Mahad**  
**Company profile** :- (Flavours & fragrances under Aroma chemicals)

ISO 9001, ISO 14001, OHSAS 18001 certification

Designation : - Officer- R&D

Experience : - 3.6 years (4 Aug 2010 to 4 feb 2014)

### **Job Profile**

- Synthesis of New products, terpene-based products
- Experimenting trial batches, observations and drawing conclusion for further development.
- Preparation of Bench mark samples and its assessment according to customer requirement
- Prior selected to green route process using resin, clay solid adsorbent etc.
- Worked on continuous process of gas -liquid reaction using bulk quantity of resin & Adsorbent
- Analytical expertise in GC operations. (Draw Calibration curve, Method development & resolve GC Troubleshoot). Identification & quantification of flavour & fragrance ingredients by GC-MS, UV-Vis, FTIR spectrophotometer.
- Investigate abnormal results and discuss them with group leaders/Managers.
- In column chromatography calculate flow rate, residence time, column volume, binding capacity of Adsorbent (g/ml), % conversion, %yield, % productivity etc.
- Commercialisation of two NPD molecules amounting to 500 TPA capacity
- Can handle various organic reactions like Aldol condensation, Vilsmeier-Hack reaction, Friedel - Craft Acylation, Diels alder reaction, Bayer villager reaction, Prince reaction, Grignard reagent and their purification, Characterization.
- Expertise in important document generation such as Raw material specification, Finish good Specification, Technology transfer document (TTD) and other ISO documents. .
- robust process of Sulphur removal from Crude oil terpenes developed by green route using column chromatography techniques and improved efficiency of final finish good Product.
- Plant support by analysis of various types of raw materials, intermediates, under process samples & finished Products.

### **ACADEMIC QUALIFICATION**

2009-2010 M.Sc. from Pune University, Primprigaon / Scored 55.60 %  
2004-2007 B.Sc. from Pune University, Nigdi pradhikaran / Scored 62 %

**IT Forte:** - Microsoft Office (Word, Excel, Power Point), Chemistry Software's such as Electronic lab Note book, Sci finder, Chemdraw ,Diploma in Office Automation (D.O.A.), Oracle software for chemical purchasing etc.

**Certification:** -

- Seminar on Recent trends in organic chemistry
- Short term courses in research methodology

**PERSONAL DETAILS**

Date of Birth : 22nd June 1986  
Linguistic Ability : English, Hindi and Marathi  
Marital status : Married  
Current Address : G-304, The pearl CHS, Near Gaondevi Temple  
Vichumbe, New Panvel.  
Navi Mumbai- 410206

**REFERENCE:** -

- 1) Mr. Vijay Jadhav, Manager – R&D, Mob no -9702901173  
Tytan organics pvt ltd TTC MIDC Pawane New Mumbai
- 2) Dr. sambhaji chavan, Manager-R&D, Mob no-9930473434  
Eternis fine chemicals pvt ltd Rabale New Mumbai.
- 3) Dr. Mahendra Yeole ,Sr. Manager –R&D, Mob no.- 9167710941  
Privi Org. ltd Koperkhairane, Mumbai.
- 4) Dr. Balaji Kadam, AGM Project , Mob no -9930493457  
Eternis fine chemicals pvt ltd Rabale New Mumbai.