

MANJUNATHAK

Male, Indian, 28 years
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PROFILE SUMMARY

Determined and dedicated chemist with 8+years of experience in diversified fields like R&D, Kilo scale and manufacturing. Well versed with Lean six sigma, GLP, GDP and GMP practises.

KEYS KILLS

- Planning,executing,monitoring and coordination of reactions with respect to project plan.
- Ability to handle variety of tasks and prioritize tasks accordingly.
- Demonstrated ability to work well under pressure,multi tasking,meeting deadlines and full cooperation with colleagues, engineers, and supervisor.
- Lean six sigma,kaizen,5S methodologies and ALCOA+principles.
- Better articulation of information and ideas
- Expertise in MSoffice,Chemdraw,SAP.

EDUCATIONAL QUALIFICATION

Degree/ Examination	Year of Passing	School/Institute	Board/University	Percentage /Grade
MSc Chemistry	2020	Vajra foundation,Hosur	Periyar university, Salem	62%
BSc Chemistry	2017	Sivagamiammal college of arts andscience,Krishnagiri	Periyar university, Salem	74%
ClassXII	2014	Gov.higher secondary school, Berigai	State Board, Tamilnadu	62%
ClassX	2012	Gov.higher secondary school,Bukkasagaram	State Board, Tamilnadu	71%

PROFESSIONAL EXPERIENCE-8+YEAR

- Presently working as a **Senior Research officer** at **Chemplast sanmar ltd** at Berigai TN from **Sep 2023** to till date
- worked as **Scientist** at **Anthem Bioscience private Limited** Bangalore from **02 Nov 2020** to **Aug 2023**
- Worked as a **Jr.Executive** at **Syngene International Limited**.Bangalore during**21 Aug 2017 to 09 Oct 2020**(3year 1 month)

WORK RESPONSIBILITIES:

Lab and Kilo Scale:

- Primary responsibility executes reactions and make key observations during key unit operations (e.g. reaction, workup and isolation)
- Experience in executing different kinds of organic reactions which includes oxidation, reduction reactions, coupling reactions, protection and deprotection reactions, Grignard reactions etc.,
- Optimization of process in terms of operation, reducing the raw material, solvents, reagents, time-cycle, improving yields and reducing the cost.
- Identifying and Troubleshooting bottlenecks of the process development of projects at both R&D and scale up execution and providing support in all respects.
- Performed moisture sensitive and oxygen sensitive anionic reactions in a specially designed Buchi reactor where reagents were added under closed loop
- Integrated Pope vessels (Pressure operated vessels) with quick connectors and valves for transferring reactants to reactor under inert conditions.
- Hands on experience with PLC scada software integrated with 10L Buchi reactor to monitor polymeric reactions.
- Experience in handling MBraun's glove box and solvent purification system.
- Expertise in handling various kind Reactors like Buchi reactors, autoclave, extractors, coagulator and hydrogenation) in laboratory.

Manufacturing and Plant Scale:

- Familiar with scale-up studies, process optimization, troubleshooting in plant scale reactions, GLP and GMP requirement.

Projects handled:

- Involved in many scale up projects to deliver the intermediates and finished products within timelines.
- Involved in the scale up and delivery of a critical polymerization process used in high end cosmetic application from gram scale to kilo scale and ensure multi ton deliveries
- Ensured the continuous delivery of a specialty polymer having application in medical devices under cGMP conditions. Process involved modification of the polymer by end functionalisation and supplied at a scale of 20 Kg.
- Involved in a highly critical polymerization process involving oxidative coupling using gaseous oxygen and delivered initial 500 kg of the product successfully to the client. Further supported the team in the commercial implementation (20 MT/ annum) of the product at a third-party manufacturer.
- Have good knowledge about the cGMP practices and documentation related to the execution under cGMP conditions.
- Was a part of a few OOS investigation teams and helped to close the investigations with root cause analysis and appropriate CAPA's

INDUSTRIALSKILLS

- Ability to perform multistep synthesis in milligram to kilogram scale
- Expertise in technology transfer to pilot scale and plant
- Familiar with scale-up studies, process optimization, trouble shooting in plant scale reactions, chemical reaction hazard evaluation, GLP and GMP requirements
- Impurity separation, characterization as well as preparation.
- Good in interpreting the spectral data and elucidating the chemical structures by $^1\text{H-NMR}$, HPLC, IR and LC-MS
- Experience in handling of chlorine gas and anhydrous hcl gas etc..
- Experience in handling air and moisture sensitive reagents LAH, LTBA, DIBAL-H, n-BuLi, Sodium hydride etc.,
- Experience in handling of various catalytic reductions with RaneyNi, Pd/C etc. in bulk scale.
- Good experience in documentation, like presenting the weekly & monthly updates, Skilled in writing
- Scientific reports such as development reports, lab validation batch reports, project updates to client, research manuscripts and others

Safety and Operations:

- Attended training in Firefighting and Firstaid, actively participated in safety drills conducted in workplace.
- Was a member of the on site Emergency rescue team (ERT) and hence trained in responding to emergency situations promptly.
- Co-ordinating with cross functional (EHS, E&M, QA, QC and Process Engineering) team for timely execution and completion of client specific projects.

ACHIEVEMENTS

- Received spot recognition award for developing, executing a safe Polymerisation process and delivering project on time in Sep 2018
- Acquired first place in inter-divisional kabaddi tournament conducted during invivo 2018
- 'Lean Six Sigma White Belt' Certification from Syngene International Limited, Bengaluru.
- During college certified as merit student in the academic year 2014-2015.

DECLARATION

I hereby declare that all the details given above are true to the best of my knowledge and belief.

Place:

Date:

(MANJUNATHA.K)