

ZULELAL DOLAS

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SUMMARY

5+ years of experience in process development, scale-up and drug discovery, my top priority & responsibility towards environment, human health & Safety at work. Which motivate me towards green chemistry implementation in my day to day work. I always look for replacement or minimal use of toxic and health hazards reagent & solvents. I believe more in speed & accuracy.

CORE COMPETENCIES

Chembiodraw, Scifinder, Reaxy. Multistep organic synthesis, Handling of pyrophoric reagent & quenching process on small to bulk scale. Organometallic reaction, Reduction & Oxidation. Purification using biotag, Combi flash, torrent & Crystallization, lyophilization, extraction. Instrumental analysis (NMR, LCMS, HPLC).

API synthesis, monitoring of Plant activity and Documentation like, technology transfer, COA, Client update, RM calculation for new targets, vendor qualification, change control, deviation, Impurity synthesis, spike study, solvent, temperature, reaction time, reagent, equivalent study & stability of compound.

PROFESSIONAL EXPERIENCE

SR. RESEARCH ASSOCIATE

BIOCON BRISTOL-MYERS SQUIBB RESEARCH & DEVELOPMENT CENTER | SYNGENE INTERNATIONAL LTD. | MAY-2020- PRESENT

- Development of chemical procedures to save time and reduced cost to synthesize target molecules
- Independently carrying out (up to kg scale) reactions, work up and purification of reaction.
- Synthesized variety of complex organic compounds in 100 ml to 50-liter reaction flask
- Route Scouting, Optimizations and development of reactions.
- Synthesized of Costly Intermediates.

- Assist the project teams as needed with all aspects of the synthesis, purification and characterization of compounds.
- Keep record of all data generated in the process in ELN.
- Preparation of weekly client updates for custom synthesis projects.
- Prepare weekly status reports as well as detailed reports on the procedures, protocols, and experimental data in a suitable format for publication.
- The compilation and maintenance of records that will provide objective evidence of continuing compliance with the management system.
- Maintaining a safe, well-stocked and clean laboratory and safety protocols.
- Train and mentor new laboratory chemists supporting this task

SCIENTIST

ANTHEM BIOSCIENCES PVT LTD| DECEMBER 2017- APRIL 2020 (2.7YEAR)

- Experience of working both in discovery chemistry and production batches in plant.
- Impurity synthesis, isolation and characterization with spike study
- Well known in change control, deviation, vendor qualification and PTTD preparation
- Well known about stability studies, Working standard and reference standard generation
- Knowledge of GMP and non GMP projects and respective documentation
- Independently carrying out gram to Kg level reactions, work up, purification of reactions
- Multi step synthesis, metal catalyzed reactions, air and moisture sensitive reactions
- Route scouting for organic synthesis, route optimizations.
- Keep record of all data generated in the process in LNB
- Preparing weekly client updates for custom synthesis projects and FTE projects
- Preparing campaign reports for custom synthesis projects

CHEMIST

High Energy Material Research Laboratory (DRDO) | July 2017-November 2017 (6 Month)

- Carrying out reaction on small scale
- Presentation preparation.

SKILLS & ABILITIES

- Excellent interpersonal, technical writing, and oral communication skills
- Highly innovative and willing to take initiative to tackle complex technical challenges
- Work independently in A highly cross-functional environment
- Having good exposure in R&D related laboratory techniques and multiple synthesis of organic molecules in gram to kg under GMP
- Ability to plan and carry out all kinds of organic reactions including air and moisture sensitive reactions.
- Experience in purification of mixtures by chromatographic and non-chromatographic techniques.
- Ability to use cheminformatics tools like Chembiodraw, ACD labs, Scifinder, Reaxy.
- Exposure to scientific instruments like LCMS, NMR, HPLC
- Ability to interpret analytical data and contribute towards development of analytical methods.
- Maintain a Safe work environment and good general housekeeping
- Ability to analyze and interpret synthetic and process data

AWARDS

- Received Bravo award at Syngene for column free & cost saving process development for scale-up.

LANGUAGES

- English
- Marathi
- Hindi.

EDUCATION

MASTER OF SCIENCE | DEPARTMENT OF CHEMISTRY, SAVITRIBAI PHULE PUNE UNIVERSITY

- Specialization: Organic Chemistry
- Division-I

B.SC | SP COLLEGE | SAVITRIBAI PHULE PUNE UNIVERSITY

- Concentrations: Chemistry, Statistics, mathematics
- Division-I

HIGHER SECONDARY | MAHARASHTRA FOR HIGHER SECONDARY EDUCATION

- Concentrations: Chemistry, Physics, mathematics,
- Division-I