

ABHUDAYA DESAI

 Bangalore, India

 workabhudaya@gmail.com

 +918431896321

SUMMARY

A chemist with entry level experience, specializing in organic chemistry, product development, Synthetic chemistry research, R&D, laboratory operations and qualitative analysis. Adept at performing experiments to develop new products. Seeking a challenging role to leverage technical expertise and drive excellence by performing quality control/ assurance/ Lab Specialist/ Chemist/ Technician role in highly-controlled laboratory environment.

EDUCATION

Master of Science in Organic Chemistry

Sep 2022 - Jun 2024

- **Vellore Institute of Technology, Vellore, India.**
Master of Science (RSC Accredited), Organic Chemistry (**Current SGPA: 9.33**)
- "Merit Scholarship Award" for the academic year 2022-23.
- "Merit Scholarship Award" for the academic year 2023-24.
- Elected as "Events & Publicity Head" for Catalyst Club.
- Lifetime Student Member of the Chemical Research Society of India.
- Member of Organometallic Research Team.

Bachelor of Science in Physics, Chemistry & Mathematics(PCM)

Jun 2019 - Jun 2022

- **REVA University, Bangalore, India .**
Bachelor of Science (**CGPA: 8.63**)
 - Awarded "[Best Outgoing Student of the Year 2022](#)".
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RESEARCH SKILLS & PROFICIENCIES

• Software

Proficient in [Chem Draw/Chem Office](#), [Topspin\(Bruker\)](#), [Origin](#), [OPUS](#)
[Microsoft Office\(Word, Excel, Powerpoint, Outlook\)](#), [Lotus Notes](#),

• Data Interpretation

Skilled in Interpreting [NMR](#), [FT-IR](#), [HRMS](#), [GC-MS](#), and [GS Chromatogram data](#).
Familiar with the basics of [HPLC](#) & [UPLC](#).

• Wet Lab Skills

Separation and Purification of Organic Compounds by Chromatography
Reaction monitoring methods, workup procedures, and compound washing techniques.

- Knowledge of [ISO](#), [RCMS](#), [GLP](#) and [cGMP](#) quality system requirements.
- Knowledge of [GDP](#), [SOP's](#) & Quality Control Processes
- **Meticulous experimental documentation:** Proficient in maintaining detailed lab notebooks, accurately recording procedures, observations, and data analysis.
- Administered maintenance and troubleshooting for laboratory equipment to ensure the safety and accuracy of results.
- Synthesized potential drug-like/active pharmaceutical ingredients (API) following GRP guidelines.
- Facilitated routine analyses in organic analytic chemistry - [distillation](#), [extraction](#), [separation](#), [crystallization](#), and [purification](#).
- Conducted stability tests of projects.

SKILLSET

- Organic & Organometallic Chemistry
- Total Synthesis
- Drug Synthesis
- Lab Research & Quality Analysis
- Wet Lab, Dry Lab
- Analytical Methods & Techniques
- Data Interpretation & Characterization
- Troubleshooting & Documentation

CONFERENCES & PRESENTATIONS

- *Poster Presentation* in International Conference on 'Emerging Trends in Catalysis & Synthesis 2024' at IIT, Kharagpur, West Bengal, India (Mar 2024).
- *Poster presentation* in 17th Joint CRSI-RSC (Chemical Research Society of India-Royal Society of Chemistry) National Symposium in Chemistry at BITS, Pilani, Rajasthan, India (Feb 2024).
- *Poster presentation* in National Conference of CRSI (Chemical Research Society of India) on 'Current Trends in Chemical Sciences' at Madurai Kamaraj University, Madurai, Tamil Nadu, India (Feb 2024).
- *Oral presentation* in the "24th Science, Engineering & Technology (SET)" Conference at VIT, Vellore, Tamil Nadu, India (Nov 2024).

PUBLICATIONS

• BOOK CHAPTER

"Chapter 1. Triethylamine-mediated synthesis of bioactive heterocycles".
Volume 2 Organic Synthesis, Natural Products Isolation, Drug Design, Industry and the Environment, De Gruyter, Germany, 2023, pp. 1-26. (Published) - [LINK](#)

• REVIEW ARTICLE

Functionalized Phosphorous based Polyurethane Foams Synthesis, Structure and Applications, Taylor & Francis-Polymer reviews. (Accepted)

• RESEARCH PAPER

Copper-Catalyzed Sustainable Synthesis of functionalized 2,2'-oxybis (4-chloro-3-formyl 2H-benzopyran) Analogues, European Journal of Chemistry(EJOC). (Under Revision)

ADDITIONAL INFORMATION

- **Soft skills:** Detail-oriented, Organized, Team-work, Time management & Adaptability.
- **Languages:** English(Native), Hindi, Kannada, Marathi, Tamil(Rudimentary).
- **Certifications:**
 - Python Development Programme and Training Test from IIT BOMBAY.
 - SDP - PYTHON WITH DATA SCIENCE certified by Vignan Corp, USA.
- **Interests:** Drug discovery, Organic Synthesis & Catalysis.
- **Hobbies:** Volunteering & community involvement, Cooking, Baking, Collecting Vinyls.

REFERENCES

Dr. Rajasekhara Reddy Sabbasani

Professor Higher Academic Grade, Department of Chemistry, School of Advanced Sciences, VIT, Vellore-632014, Tamil Nadu, India.

☎ (+91) 9884968303

✉ sekharareddy@vit.ac.in

Google scholar: [LINK](#)