

PRANAV CHAVAN

MSc (Medicinal Chemistry)

Hupari tal- hatkanangale dist -kolhapur

9075801180

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PROFILE

Dynamic and dedicated organic chemistry master's candidate looking for a dynamic role in research and development (R&D) with hands-on expertise in the synthesis, characterization, and analysis of organic compounds.

EDUCATION

Sanjay Ghodawat University,
Kolhapur.

2022-2024 M.Sc (medicinal
chemistry) **7.57 CGPA**

Shivaji University,
Kolhapur.

2019-2022 B.Sc
(Chemistry) **75.48%**

LANGUAGES

Marathi.

Hindi.

English.

KEY SOFTWARE SKILLS

chem-draw

MS Word – Office

MS Excel

MS power point

skills

- Planning & executing of organic reaction. expertise in handle mg & gm scale reactions.
- Expertise in recrystallisation of compounds.
- Performing purification of column chromatography to isolate and purify compounds of interest's.
- Optimizing TLC (thin layer chromatography) techniques to analyze & identity chemical substances.
- Utilizing my strong laboratory skills to handle and operate various equipment & instruments.
- Demonstrating excellent time management skills to ensure timely completion of research projects.
- Handled zero degree reaction.

COURSES

Research Methodology : Learned about the fundamentals of research and how to produce new concepts, methodologies, and understandings by using the knowledge already in existence in novel and inventive ways.

Green and Sustainable Chemistry : I get knowledge of twelve principles and how to apply them to address and resolve challenges pertaining to environmental and public health around the world.

Household Chemical : I performed an experiment. How to prepare liquid soap, phenyl experiment, perfume, and washing powder.

RESEARCH PROJECTS COURSES

1.M.Sc Project & Research Article

Mild basic ionic liquid (IL) catalyzed synthesis of bicyclic ortho amino carbonitrile." The problem was that traditional synthetic routes often involved harsh reaction conditions which could lead to undesired side reactions, low yields and the generation of hazardous waste. So I developed a sustainable and effective way to obtain bicyclic ortho-amino carbonitriles via a moderate base ionic liquid catalyst and overcame the common problems associated with traditional catalysts which resulted in the formation of side products in multi-component reactions.

Research Article : doi.org/10.1002/slct.202500690

2.B.Sc Project

THE EFFECT OF METAL COUPLING ON THE RATE OF CORROSIONS." Corrosion is a serious problem of some metals like iron, zinc, aluminum and alloys like brass which are commonly used in day to day life. Apart from reducing the life of articles made up of these metals or alloys the chemical substances formed out of corrosion have serious public health problems.

INTERNSHIP

Fluorochem Pvt. Ltd. Pune. (22 may to 13 June 2024.) I was part of the team for executing, planning of large scale reactions and dry ice reactions. In addition I also synthesized 1-chloro-3-fluorobenzene as one of the tasks of internship project.

CO-CURRICULER ACTIVITIES

- Science Club Computation worked as coordinator.
- Science Star poster presentation on Tuberculosis menace.

SEMINAR

Participated in National Seminar on "Emerging Nanomaterials for Renewable Energy" at Sanjay Ghodawat University Kolhapur in December 2022.

REFERENCES

Dr. Pallavi D Bhange. NET, PhD, Postdoc (korea). –Sanjay Ghodawat University, kolhapur. HOD – Department of Chemistry. E-mail :- pallavi.ncl@gmail.com 9096750058.

Dr. Sawant A.D. (M.Sc., Ph.D., Postdoc.) Dean of Research ,Sanjay Ghodawat University, Kolhapur, Maharashtra, India.

E-mail :- anand.sawant@sanjayghodawatuniversity.ac.in

Dr. Aarif Shaikh, Director, Aragen Life Sciences Ltd, Heydrabad.

Dr. Tiwari K.N.(M.sc, PhD, Postdoc) e-mail :- keshri.nath@indrashiluniversity.ac.in

DECLARATION

I do hereby declare that the above mentioned details are true, complete & correct to the best of my knowledge and belief.