

**"Synthesis And Characterization Of CuO Nanoparticles
Sol-Gel Versus Green Approach"**
**RESEARCH PROJECT SUBMITTED TO
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE**



**FOR THE DEGREE OF
MASTER OF SCIENCE
IN
ORGANIC CHEMISTRY
UNDER THE FACULTY OF SCIENCE
BY**

Mr. Vijaykumar Shivnaresh Yadav

Department Of Chemistry

UNDER THE GUIDANCE OF

Asst. Prof. Mr. Balasaheb Maske

DEPARTMENT OF CHEMISTRY

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WORKPLACE

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OCT-NOV 2024-2025



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CERTIFICATE

This is to certify that the work incorporated in the project entitled

Topic name: Synthesis and Characterization of CuO Nanoparticles: Sol-Gel Versus Green Approach

Has satisfactorily carried out by **Mr. Vijaykumar Shivnaresh Yadav** of **M.Sc. Organic Chemistry**. he has completed this project under my supervision and guidance during **Academic Year 2024 -2025**. This project work submitted by his original and the scientific information obtain from other sources have been acknowledged.


Asst. Prof. Mr. Balasaheb Maske

(Project Guide)



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CERTIFICATE

This is to certify that PG dissertation entitled **Synthesis and Characterization of CuO Nanoparticles: Sol-Gel Versus Green Approach** submitted by **Mr. Vijaykumar Shivnaresh Yadav** studying in MScII (Organic Chemistry) at **M.V.P. Samaj's G.M.D. Arts, B.W. Commerce and Science College, Sinnar**. He has successfully completed the project work in Organic Chemistry (**CHO-656**) during the Sem-IV of academic year 2024-25.

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Sign: - 

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DECLARATION

We certify that we read this thesis Design, Synthesis of Copper Oxide for Copper Oxide (CuO) Nanoparticle for the award of the degree of Master of Science in Organic Chemistry at Department of Chemistry, G.M.D. Arts, B. W. Commerce and Science College, Sinnar, Nashik. was carried out by the candidate under the supervision of. **Asst.Prof.Mr.Balasaheb Maske** (Assistant professor, Department of Chemistry, G.M.D. Arts, B. W. Commerce and Science College, Sinnar, Nashik) during Academic year 2024-2025.

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