

**SYNTHESIS OF BENZIMIDAZOLE DERIVATIVES BY USING
GREEN CATALYST**

**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. BHAGAT RUSHIKESH SUNIL

UNDER THE GUIDANCE OF

MS. G.B. HANDGE

DEPARTMENT OF CHEMISTRY

**G.M.D. ARTS, B.W. COMMERCE AND SCIENCE COLLEGE, SINNAR
422103**

OCT/NOV 2024-2025



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G.M.D. ARTS B.W. COMMERCE AND SCIENCE
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CERTIFICATE

This is to certify that, **Mr. BHAGAT RUSHIKESH SUNIL** has successfully completed the project work on "**Synthesis of Benzimidazole Derivatives by using Green Catalyst** " which is being submitted here with as a partial fulfilment for the award of Degree of Master of Science in Organic Chemistry, Department of Chemistry, G.M.D.college, sinnar .is the result of original project work completed under my supervision, to the best of my knowledge and belief the work embodied in this report has not formed earlier for the basis of any degree or similar title of this or any other University.

MISS. G.B.HANDGE

[project guide]



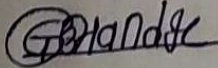
Maratha Vidya Prasarak Samaj's
G.M.D. ARTS, B.W. COMMERCE AND SCIENCE COLLEGE,
SINNAR, DIST- NASHIK
DEPARTMENT OF CHEMISTRY

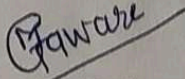
CERTIFICATE

This is to certify that PG dissertation entitled Synthesis synthesis of benzimidazole derivatives by using green catalyst submitted by **Mr. Bhagat Rushikesh Sunil** and it was carried out by the candidate under the supervision of **MS.G.B. HANDGE** He has successfully completed the project work in Organic Chemistry (CHO-607) during the Sem-III of academic year 2024-2025.

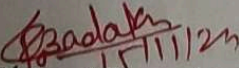
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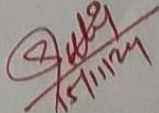
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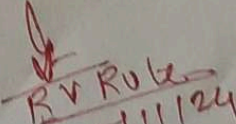

MS.G.B. HANDGE
(Project Guide)


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Internal Examiner


External Examiner


External Examiner

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- I would like to thank mvp samaj's G.M.D.Arts B.W.Commerce and Science College Sinnar for providing me with the necessary resources infrastructure and facilities to carry out this project
- I would like to thank our college principal Dr. P.V. Rasal sir for constant support and providing infrastructural facility for this project work
- I would like to thank HoD. Prof M.R. Gaware sir for this constructive help during project
- I would like to thank miss G.B.Handge mam [project guide] for their constant encouragement ,insightful feedback and expert guidance that help me to navigate through the various challenges of this project
- I would like to thank all faculty members of the department of chemistry for imparting me with the theoretical and practical knowledge necessary to complete this project
- I would like to thank my classmates for their feedback suggestions and stimulating disscussions that enriched my understandings of my subject matter

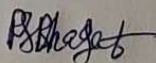
P.Bhagat

Mr. BHAGAT RUSHIKSH SUNIL
(M.Sc. Part-II, Organic Chemistry)

DECLARATION

We hereby declare that the Project entitled "**Synthesis of Benzimidazole Derivatives by using Green Catalyst**", which is being submitted as Project for partial fulfilment of master of science in organic chemistry to Department of Chemistry, G.M.D. College, SINNAR Dist. NASHIK, is an authentic record of our genuine work done under the guidance of Miss. G. B. HANDGE, Department of Chemistry, G.M.D. College, SINNAR, Dist. NASHIK (422103).

Date: 14-11-2024



Mr. BHAGAT RUSHIKESH SUNIL

Place: SINNAR