

A Project Report Submitted in partial fulfillment of the requirements for the degree
of Master of Science

(2021-2022)



“To Study some sonicator assisted sonication reaction by sonification green
approach ”

Submitted by

Miss. Aishwarya sanjay Talekar

Under the guidance of

Dr. Manoj. R. Gaware

Submitted to

Post-graduate Department of Chemistry

G.M.D. Arts , B.W. Commerce And Science Collage Sinner



CERTIFICATE

This is to certify that the project entitled "TO Study some sonicator assisted sonication reaction by sonification green approach" submitted by

Miss. Aishwarya Sanjay Talekar was carried out satisfactorily under the guidance of **Dr. Manoj. R.Gaware sir** Assistant professor,

Post-graduate Department of Chemistry, G.M.D.Arts,B.W.Commerce And Science Collage Sinner (2021-2022)

Date: 104 / 2022

Place: sinner

Dr .Manoj.R. Gaware

**Head Department of
HEAD**

DEPARTMENT OF CHEMISTRY
G.M.D. Arts, B.W. Commeroe
and Science Collage, Sinner

Examiner

Dr .Manoj.R. Gaware
HEAD

DEPARTMENT OF CHEMISTRY
G.M.D. Arts, B.W. Commeroe
and Science Collage, Sinner
Project Guide

DECLARATION

I hereby declare that the data represented in the dissertation entitled “To Study some sonicator assisted sonication reaction by sonification green approach” is submitted to the Post-graduate Department of Chemistry G.M.D. Arts , B.W. Commerce And Science Collage Sinner in fulfillment of the requirement for the award of the Degree of “Master of Science” in Chemistry . The results of my research work carried under the guidance of Dr . Manoj .R.Gaware , Assistant professor, Department of Chemistry G.M.D. Arts , B.W. Commerce And Science Collage Sinner during the academic year 2021-2022 are presented in the dissertation.

Miss. Aishwarya Sanjay Talekar



Maratha Vidya Prasarak Samaj's

G.M.D. ARTS, COMMERCE AND SCIENCE COLLEGE,

SINNAR DIST. NASHIK

DEPARTMENT OF CHEMISTRY (PG)

CERTIFICATE

This is to certify Mr. ANANT MANGALDAS BELEKAR of M.Sc II {Organic Chemistry} has completed satisfactorily the project {Green synthesis of copper oxide nanoparticle from Bryophyllum-Pinnatum leaves and its application} course entitled organic chemistry {CHO-453} during the academic year 2021-2022

Bhale
PROJECT INCHARGE

Gaware
H.O.D. CHEMISTRY
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DEPARTMENT OF CHEMISTRY
G.M.D. Arts, B.W. Commerce
and Science College, Sinnar

Bhale
Internal Examiner

Bhalak
External Examiner

MSC. PROJECT-
ON

Title: Green synthesis of copper oxide nanoparticle from

Bryophyllum-Pinnatum leaves

&

Study of its applications

Submitted by: ANANT MANGALDAS BELEKAR

Under supervision of

Prof. H. A. Dabhane

Submitted in partial fulfillment of the requirements of the degree of

Master of Chemistry



Maratha Vidya Prasarak Samaj's
G.M.D. ARTS, COMMERCE AND SCIENCE COLLEGE,
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DEPARTMENT OF CHEMISTRY (PG)

CERTIFICATE

This is to certify Mr. Chaudhari Dhananjay Arjun of M.Sc II
{Organic Chemistry} has completed satisfactorily the project {Green
synthesis of copper oxide nanoparticle from Bryophyllum-Pinnatum
leaves and its application} course entitled organic chemistry {CHO-
453} during the academic year 2021-2022

P. Bhatwade
PROJECT INCHARGE
CHEMISTRY

P. Gawate
H.O.D.
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DEPARTMENT OF CHEMISTRY
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and Science College, Sinnar

P. Bhatwade
Internal Examiner

P. Bhatwade
External Examiner



A PROJECT REPORT

SYNTHESIS OF Methyl 3-(5-cyno-3,4-dihydro-4-oxo 6phenyl -2-thioxopyrimidin -1 (2H)-yl) propanoate &it's derivative

SUBMITTED BY

DANGLE NIKITA NAVANATH

In Partial fulfillment for the award of the degree

Of

MASTERS OF SCIENCE

IN

CHEMISTRY

G.M.D. ARTS, B.W. COMMERCE & SCIENCE COLLEGE,

SINNAR

SAVITRIBAI PHULE

PUNE UNIVERSITY, PUNE-411007

APRIL 2022

BONAFIDE CERTIFICATE

Certified that project report "Synthesis of Methyl 3-(5-cyno-3,4-dihydro-4-oxo 6phenyl -2-thioxopyrimidin -1 (2H)-yl (propanoate & it's derivative" is bonefires work of "DANGLE NIKITA NAVANATH" of Msc.(CHEMISTRY) during the academic year 2021-22 who carried the project work under my supervision.

Amelwa

Signature

(Miss. Rayate Mam)

GUIDE.

Department of Chemistry.

Gaware

Signature

(Dr. M.R.. Gaware Sir)

HEAD

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and Science College, Sinnar

Abhathe

Internal Examiner

Radakh

External Examiner

SAVITRIBAI PHULE,
PUNE UNIVERSITY PUNE-
4110071
APRIL-2022

Bonafide certificate

Certified project report on "Synthesis of novel pyrimidines thiazolopyrimidines , triazolopyrimidines as potent antimicrobial agent "is bonafire work of "GITE ANUJA VISHNU" MSC 2 (Chemistry) Academic year 2021-2022 who carried the project work under my supervision.

Anuja

Gaware

(Miss . A.M.RAYATE)

Dr.M.R.GAWARE SIR)

GUIDE

HEADH

Ishtak
Internal Examiner

Ishtak
External Examiner

Department Of Chemistry Department of Chemistry




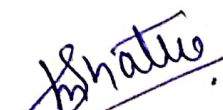
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SINNAR DIST. NASHIK
DEPARTMENT OF CHEMISTRY (PG)

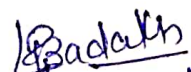
CERTIFICATE

This is to certify Mr. Kasar Keshav Dinkar of M.Sc II {Organic Chemistry} has completed satisfactorily the project {Green synthesis of copper oxide nanoparticle from Bryophyllum-Pinnatum leaves and its application} course entitled organic chemistry {CHO-453} during the academic year 2021-2022


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Internal Examiner


External Examiner

Maratha Vidya Prasarak Samaj's
G.M.D. Arts B.W. Commerce and Science College Sinnar

Certificate

This is to certify that, **Mhaske Snehal Sudhakar** has completed project work on "Synthesis Of Copper Oxide Nanoparticles By Using Plant Neem Leaf Plant Extract" for the partial fulfillment of Master of Science (M.Sc. Organic Chemistry), course in Department of Chemistry as per syllabus of Savitribai Phule Pune University, Pune during the academic year 2021-2022

Date:

Place: Sinnar

Mhaske

Internal Examiner

Badale

External Examiner

Praware

Head Of the Department

HEAD

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G.M.D. Arts, B.W. Commerce
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Maratha Vidya Prasarak Samaj's
G.M.D. Arts B.W. Commerce and Science College Sinnar

Certificate

This is to certify that, **Mhaske Snehal Sudhakar** has completed project work on "**Synthesis Of Copper Oxide Nanoparticles By Using Plant Neem Leaf Plant Extract**" and submitted it as a part of partial fulfillment of the M.Sc. Practical Course in Organic Chemistry as per the syllabus of Savitribai Phule Pune University, Pune during the academic year 2021-2022 under my guidance.

Date:

Place: Sinnar

Mr. Dnyaneshwar S. Sanap

Project Guide

Assistant Professor, Department of Chemistry



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DEPARTMENT OF CHEMISTRY (PG)

CERTIFICATE

This is to certify Mr. Prashant Somnath Ranade of M.Sc II {Organic Chemistry} has completed satisfactorily the project {Green synthesis of copper oxide nanoparticle from Bryophyllum-Pinnatum leaves and its application} course entitled organic chemistry {CHO-453} during the academic year 2021-2022

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Ranade
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Internal Examiner

Ranade
External Examiner

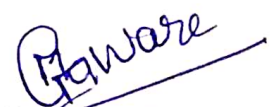



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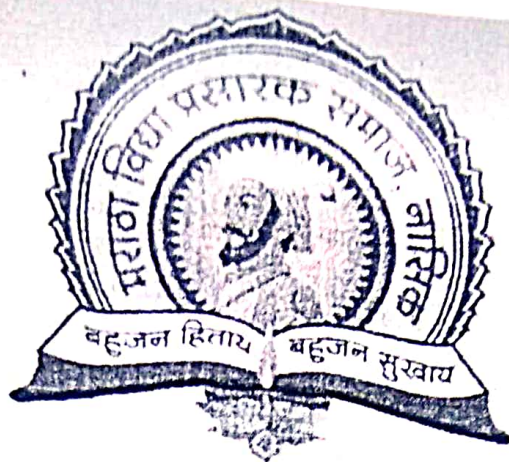
This is to certify Mr. Sonawane Ganesh Dnyaneshwar of M.Sc II {Organic Chemistry} has completed satisfactorily the project {Green synthesis of copper oxide nanoparticle from Bryophyllum-Pinnatum leaves and its application} course entitled organic chemistry {CHO-453} during the academic year 2021-2022


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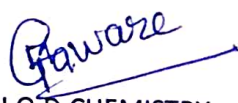
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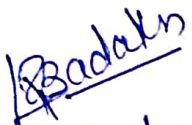
CERTIFICATE

This is to certify Mr Sonawane Sushil Pandharinath of M.Sc II {Organic Chemistry} has completed satisfactorily the project {Green synthesis of copper oxide nanoparticle from Bryophyllum-Pinnatum leaves and its application} course entitled organic chemistry {CHO-453} during the academic year 2021-2022


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