

**“GREEN SYNTHESIS OF ZINC OXIDE NANOPARTICLES FROM MANILKARA
ZAPOTA LEAF EXTRACT.”**

**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

MISS. KHANDODE AARTI SUNIL

UNDER THE GUIDANCE OF

PROF.MS.G.B.HANDAGE

DEPARTMENT OF CHEMISTRY

**G.M.D. ARTS, B.W. COMMERCE AND SCIENCE COLLEGE, SINNAR
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OCT/NOV 2024-2025



Maratha Vidya Prasarak Samaj's

G.M.D. ARTS, B.W. COMMERCE AND SCIENCE COLLEGE,
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DEPARTMENT OF CHEMISTRY

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

Topic name: "Green synthesis of zinc oxide nanoparticles from manilkara zapota leaf extract."

Was satisfactorily carried out by **Miss. Khandode Aarti Sunil** 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.

Prof.Ms.G.B.Handage

(Project Guide)



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CERTIFICATE

This is to certify that PG dissertation entitled Synthesis "Green synthesis of zinc oxide nanoparticles from manilkara zapota leaf extract." submitted by **Miss. Khandode Aarti Sunil** and it was carried out by the candidate under the supervision of **Prof.Ms.G.B.Handage**. He has successfully completed the project work in Organic Chemistry (CHO-607) during the Sem-III of academic year 2024-2025.

Date: 14/11/2024

Place: Sinnar

Prof.Ms.G.B.Handage

(Project Guide)

Prof.(Dr).M.R.Gaware

(HoD)

Dr.P.V.Rasal

PRINCIPAL
(Principal)
G.M.D. Arts, B.W. Commerce and
Science College, Sinnar, Dist. Nashik

Internal Examiner

External Examiner

External Examiner

DECLARATION

I hereby declare that the presented Research Project on **Green synthesis of zinc oxide nanoparticles from manilkara zapota leaf extract**, quely prepared by me at G.M.D. Arts, B.W. Commerce And Science College Sinnar under the guidance of **Prof.Ms.G.B.Handage**.

Place: Sinnar

Date: 14/11/2024

Sign- Ahandode

Name- Khandode Aarti Sunil

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Sing

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