

A PROJECT REPORT ON
"synthesis and characterization of metal oxide nanoparticles
by using sonneratia alba apetala leaf extract and it's
antimicrobial activity"

SUBMITTED TO

TULJARAM CHATURCHAND COLLEGE OF ARTS,
COMMERCE AND SCIENCE, BARAMATI, PUNE



AS A PARTIAL FULFILMENT OF THE DEGREE
MASTER OF SCIENCE IN INORGANIC CHEMISTRY BY

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UNDER THE GUIDANCE OF

Miss. Prof.R.T.Gadadare

DEPARTMENT OF CHEMISTRY



**TULJARAM CHATURCHAND COLLEGE OF ARTS, COMMERCE
AND SCIENCE, BARAMATI.PUNE**

2022-23

Certificate

This is to certify that, Mr. **Rakate A.S., Kharat A.S.** has successfully completed the project. **"synthesis and characterization of metal oxide nanoparticles by using sonneratia alba apetala leaf extract and it's antimicrobial activity.** Which is being submitted here with as a partial fulfillment of the award of degree, master of science in analytical chemistry, TULJARAM CHATURCHAND COLLEGE OF ARTS, COMMERCE AND SCIENCE, BARAMATI PUNE. is the result of project work completed under my supervision and to the best of my knowledge and belief the work embodied in this is report has not formed earlier for any degree of similar title of this or any other University or examining body.

DATE: 17/04/23

R.T. Gadadare
17/04/23

Miss. Prof. R.T. Gadadare

Project guide

S.R. Kale
17/4/23

Prof. S.R. Kale

Head

DEPARTMENT OF CHEMISTRY
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R.T. Gadadare
20/04/23

External

Examiner