SYNTHESIS OF PURE ZINC OXIDE AND MIXED METAL OXIDE NANOPARTICLES AND ITS APPLLICATION IN DYE DEGRADATION

A Dissertation Report for

Course code and Course Title: CGO-500 Dissertation

Credits: 8

Submitted in partial fulfilment of Master's Degree

M.Sc. (Inorganic Chemistry)

By

VISHAKA DAMODAR NAIK

Roll Number: 21P049055

Under the Supervision of

Dr. ROHAN K. KUNKALEKAR

School of chemical sciences

Inorganic chemistry

Goa University

Date: April 2023

GOA UNIVERSITY
TALEIGAO PLATEAU
GOA
SCHOOL OF CHEMICAL SCIENCES

Examined by:

08/05/2023

08/05/23

08/05/2023

Seal of the School

COMPLETION CERTIFICATE

This is to certify that the dissertation report "SYNTHESIS OF PURE ZINC OXIDE AND MIXED METAL OXIDE NANOPARTICLES AND ITS APPLLICATION IN DYE DEGRADATION" is a bonafide work carried out Ms.Vishaka D. Naik under my mentorship in partial fulfilment of the requirements for the award of the degree of Master's in Science in the Discipline Inorganic Chemistry at the School of chemical sciences, Goa University.

Dr.Rohan K. Kunkalekar
Inorganic chemistry

Date: 20/04/2023

GOA UNIVERSITY
TALEIGAO PLATEAU
GOA
SCHOOL OF CHEMICAL SCIENCES

School Stamp

04/05/2023

Prof. V. M. S. Verenkar
Inorganic chemistry
School of chemical sciences
Date:
Place: Goa University

Dean
School of Chemical Sciences
GOA UNIVERSITY

DECLARATION BY STUDENT

I hereby declare that the data presented in this Dissertation report entitled, "SYNTHESIS OF PURE ZINC OXIDE AND MIXED METAL OXIDE NANOPARTICLES AND ITS APPLLICATION IN DYE DEGRADATION" is based on the results of investigations carried out by me in the Inorganic Chemistry at the School of Chemical Sciences, Goa University under the Mentorship of Dr.Rohan K. Kunkalekar and the same has not been submitted elsewhere for the award of a degree or diploma by me. Further, I understand that Goa University or its authorities will be not be responsible for the correctness of observations / experimental or other findings given the dissertation.

I hereby authorize the University authorities to upload this dissertation on the dissertation repository or anywhere else as the UGC regulations demand and make it available to any one as needed.

Vishaka D. Naik

21P049055

Inorganic Chemistry

School of Chemical Sciences

Date: 20/04/2023

Place: Goa University