

SOLAR IRRADIATION DRIVEN CATALYTIC DYE DEGRADATION BY
NOVEL BIOSYNTHESIZED ZINC OXIDE NANOPARTICLES FROM
BARLERIA MYSORENSIS

A DISSERTATION REPORT
SUBMITTED TO THE UNIVERSITY OF MYSORE IN PARTIAL FULFILMENT
FOR THE AWARD OF DEGREE OF

MASTER OF SCIENCE
IN
ENVIRONMENTAL SCIENCE

BY

PRATHAP D
(P01ZZ21S0343)

UNDER THE GUIDANCE OF

Dr. S. SRIKANTASWAMY, Ph. D., FRSC (London),

PROFESSOR

DEPARTMENT OF STUDIES IN ENVIRONMENTAL SCIENCE

MANASAGANGOTTHRI

UNIVERSITY OF MYSORE, MYSORE - 570 006

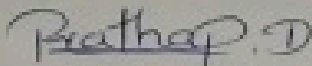
AUGUST

2023

CERTIFICATE

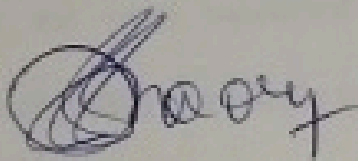
I, PRATHAP. D, (P01ZZ21S0343) certify that the Dissertation work entitled "SOLAR IRRADIATION DRIVEN CATALYTIC DYE DEGRADATION BY NOVEL BIOSYNTHESIZED ZINC OXIDE NANOPARTICLES FROM BARLERIA MYSORENSIS ", is the result of the work carried out by me under the guidance of DR. S. SRIKANTASWAMY, Ph. D., FRSC (London), Professor, Department of Studies in Environmental Science, University of Mysore, Manasagangothri, Mysuru. I am submitting this Dissertation work for the award of Master of Science (M.Sc) degree in Environmental Science by the Mysore University during the year 2022-2023.

I further certify that this work has not been submitted by me for the award of any other degree or diploma of this or any other university.



Signature of Master's Candidate

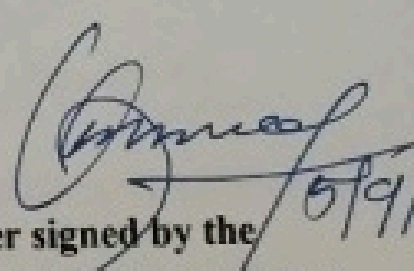
Signed by me on 5/09/2023



Signature of Research Supervisor

Date: 05/09/2023

Date:


Counter signed by the

Chairperson of the Department
Dr. G.V. VENKATARAMANA

M.Sc., M.Phil., Ph.D

Professor & Chairman
DOS in Environmental Science
University of Mysore, Manasagangothri
Mysore-570 006 IN

UNIVERSITY OF MYSORE
DEPARTMENT OF STUDIES IN ENVIRONMENTAL SCIENCE
MANASAGANGOTHRI, MYSURU - 570006, KARNATAKA, INDIA

Dr. S. SRIKANTASWAMY.,
Ph.D., FRSC (London).
Professor, DOS in Environmental Science
Executive Committee Member
ISCA, Kolkata

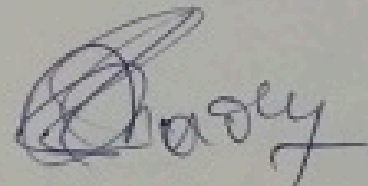
Phone: 0821-2419555
Mob: 9448275348
Email: srikantas@hotmail.com

CERTIFICATE

This is to certify that thesis entitled "SOLAR IRRADIATION DRIVEN CATALYTIC DYE DEGRADATION BY NOVEL BIOSYNTHESIZED ZINC OXIDE NANOPARTICLES FROM BARLERIA MYSORENSIS", is submitted for the degree of **MASTER OF SCIENCE (M.Sc) IN ENVIRONMENTAL SCIENCE** of the University of Mysore, Mysuru. This work is a Bonafide and authentic record of research work carried out by PRATHAP. D, (P01ZZ21S0343) under my guidance and supervision. Further, I declare that, it has not been submitted before for the award of any degree/ diploma/ associateship/ fellowship or any other similar title.

Place: Mysuru

Date: 05/09/2023



(Dr. S. SRIKANTASWAMY)

UNIVERSITY OF MYSORE

DEPARTMENT OF STUDIES IN ENVIRONMENTAL SCIENCE

MANASAGANGOTRI, MYSURU - 570006, KARNATAKA, INDIA

Dr. G. V. VENKATARAMANA.,

M.Sc., M. Phil., Ph.D.,

Phone: 0821-2419371

Mob: 9449783471

Professor and chairman,
DOS in Environmental Science

Email: Venkataraman@envsci.uni-mysore.ac.in

CERTIFICATE

This is to certify that thesis entitled "SOLAR IRRADIATION DRIVEN CATALYTIC DYE DEGRADATION BY NOVEL BIOSYNTHESIZED ZINC OXIDE NANOPARTICLES FROM BARLERIA MYSORENSIS", is submitted for the degree of MASTER OF SCIENCE (M.Sc) IN ENVIRONMENTAL SCIENCE of the University of Mysore, Mysuru. This work is a Bonafide and authentic record of research work carried out by PRATHAP. D, (P01ZZ21S0343) under my guidance and supervision of Dr. S. SRIKANTASWAMY., Department of Studies in Environmental Science, University of Mysore, Manasagangothri, Mysore.

Place: Mysuru

Date:


(Dr. G. V. VENKATARAMANA)

Professor and Chairman
Dr. G.V. VENKATARAMANA
M.Sc., M. Phil., Ph.D
Professor & Chairman
DOS in Environmental Science
University of Mysore, Manasagangothri
Mysore-570 006, INDIA