Green synthesis of Zinc Oxide Nanoparticles from Leaf Extract of *Hibiscus vitifolius* L. and their Antibacterial Potential

Project Report Submitted to the University of Mysore in Partial fulfilment for the Award of the Degree of

MASTER OF SCIENCE

IN

BOTANY

Submitted by

DHENUSHREE, G.U.

Reg. No. BO119213

Under the Guidance of

DR. K.N. AMRUTHESH

Professor & IQAC Co-ordinator

Department of Studies in Botany

University of Mysore, Manasagangotri

Mysuru – 570 006, Karnataka, India

OCTOBER 2021

CERTIFICATE

I , Dhenushree, G.U. certify that the project report entitled " **Green Synthesis Of Zinc oxide Nanoparticles from *Hibiscus vitifolius* L. Leaf Extract and their Antibacterial Potential"** is the result of bonafide work done by me under the supervision of Dr. K.N. Amruthesh, Professor & IQAC Co-ordinator, Department of Studies in Botany, University of Mysore, Mysuru- 570 006. I am submitting this Project Report in partial fulfillment of requirements for the award of the degree of **Master of Science in Botany** during the academic year 2020-2021.

I further declare that this project report or part of it has not been submitted previously for the award of any other degree of this University or any other University.

30/09/2021

Signature of the Guide.

Dr. K.N. Amruthesh

DR. K.N. AMRUTHESH
Professor & Research Supervisor
Department of Studies in Botany
University of Mysore, Manasagangotri
Mysuru - 570 006, INDIA

Dhenushree

Signature of the Student

Dhenushree G U

Reg No. BO119213

Department of Botany
No.
Date
MYSORE-6

13/10/2021

Counter Sign by

Date: 30/9/2021

Place: MYSURU

Dr. Sudisha Jogaiah

MSS 30/09/2021

Signature of the Chairperson

Dr. M. S. Sharada

Professor and Chairperson
Department of Studies in Botany
University of Mysore
Manasagangotri, Mysore-570006

13/10/2021