

**Bio-fabrication, Characterization and Antibacterial Properties  
of Monometallic and Bimetallic Nanoparticles using  
*Diplocyclos palmatus* (L.) C. Jeffrey**

*A 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**

**JOEL PRADEEP, A.B.**

**Reg. No. BO118218**

**Under the Guidance of**

**DR. K.N. AMRUTHESH**

**Professor & IQAC Co-ordinator**

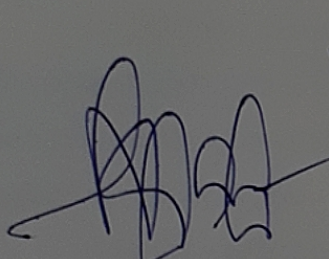
**Department of Studies in Botany  
University of Mysore, Manasagangotri  
Mysuru – 570 006**

**September 2020**

# CERTIFICATE

I, Joel Pradeep, A.B. certify that the project report entitled "Bio-fabrication, characterization and antibacterial properties of monometallic and bimetallic nanoparticles using *Diplocyclos palmatus* (L.) C. Jeffrey" 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 2019-2020.

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.

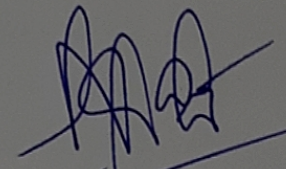
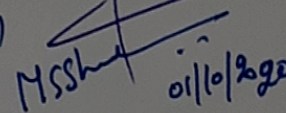


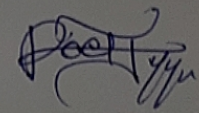
Signature of the Guide

Dr. K.N. Amruthesh

**Dr. K.N. Amruthesh**  
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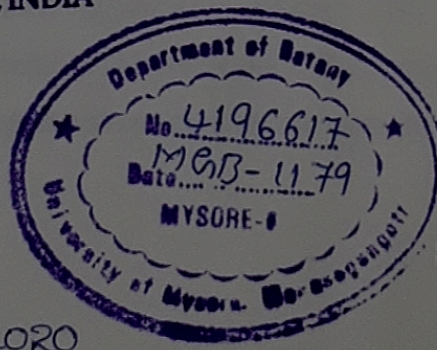
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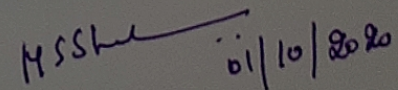
Signature of the student

Mr. Joel Pradeep, A.B.

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Counter signed by

  
MSSh 01/10/2020

Signature of the Chairperson

Dr. M.S. Sharada

Professor and Chairperson  
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Date: 01-10-2020

Place: Mysore