Biosynthesis and Antibacterial Efficacy of Zinc Oxide Nanoparticles (ZnO-NPs) Derived from Leaf Extract of *Bauhinia purpurea* L.

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

MASTER OF SCIENCE

IN

BOTANY

Submitted by

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Under the Guidance

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OCTOBER 2021

CERTIFICATE

I, SUCHITHRA, H.M. certify that the Project Report entitled "Biosynthesis and Antibacterial Efficacy of Zinc Oxide Nanoparticles (ZnO-NPs) Derived from Leaf Extract of *Bauhinia purpurea* L." 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- 570006. 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.

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Signature of the student

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13/10/21

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Signature of the Chairperson
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4/10/2021