Screening of Rhizosphere Fungi for their Growth Promoting Properties and Antagonistic Potential against Lasiodiplodia pseudotheobromae—the Causal Incitant of Dieback Disease in Phaseolus vulgaris L.

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 LAMYA MAJEED Reg. No. BO119223

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, Lamya Majeed, certify that this project report entitled "Screening of Rhizosphere Fungi for their Growth Promoting Properties and Antagonistic Potential against Lasiodiplodia pseudotheobromae-the Causal Incitant of Dieback Disease in Phaseolus vulgaris 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-570 006. I am submitting this project report for the partial fulfilment of requirements for the award of the degree of Master of Science (M.Sc.) in Botany of the University of Mysore.

I further certify that this project report or any part of it has not been submitted for the award of any other degree or diploma in this or any other university.

Signature of the Candidate

(Lamya Majeed) Reg. No: BO119223

Date: 30-9-2021

Signature of the Guide

(Dr. K.N. Amruthesh)

DR. K.N. AMRUTHESH Date: Professor & Research Supervisor Department of Studies in Botany University of Mysore, Manasagangotri

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Countersigned by

Signature of the Chairperson

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