

**“ISOLATION AND CHARACTERIZATION OF SOIL ACTINOMYCETES
IN SOUTHERN PART OF KARNATAKA FOR THEIR USE IN
AGRICULTURE”**

**Dissertation work submitted in partial fulfillment of the requirement for the award of the
degree of**

MASTER OF SCIENCE IN BIOTECHNOLOGY

Submitted To

**Department of studies in Biotechnology
University of Mysore**

Submitted By

HARSHITHA N N

**Reg No. – P01ZZ21S0366
M.Sc. Biotechnology, IV Semester
Department of Studies in Biotechnology
Manasagangothri, Mysuru-570006**

Under the guidance of

INTERNAL GUIDE

**Dr K Ramachandra Kini
Professor
DoS in Biotechnology
University of Mysuru
Mysuru-570006**

EXTERNAL GUIDE

**Dr Dayamani K J
Assistant professor
College of Horticulture
Yalachihalli, Yelavala
Mysuru-571130**

August 2023



UNIVERSITY OF HORTICULTURAL SCIENCES, BAGALKOT

Department of Natural Resource Management,

College of Horticulture,

Yalachahalli, Yelawala, MYSURU-571130, Karnataka

Dr. Dayamani, K.J.

Asst. Professor of Agril. Microbiology

Mobile: 7259552631

Email: gemdaya@gmail.com

CERTIFICATE

This is to certify that Ms HARSHITHA N N (Reg No. P01ZZ21S0366), 4th Semester, M.Sc Biotechnology, DoS in Biotechnology, University of Mysore, has worked for an internship on the project entitled "Isolation and Characterization of soil Actinomycetes in Southern part of Karnataka for their use in Agriculture" at College of Horticulture, under the guidance of Dr. DAYAMANI K J., Assistant professor, Department of Natural Resource and Management, College of Horticulture, Mysuru and has submitted the project report in partial fulfillment of M.Sc. Biotechnology at the Department of studies in Biotechnology, University of Mysore Manasagangotri, Mysuru. This is a record of original research work carried out by her under my guidance and supervision in the Agriculture Microbiology laboratory, during May 2023 to August 2023.

External guide,

Dr Dayamani K.J.
Assistant professor
Department of NRM
College of Horticulture
Yalachahalli, Yelawala,
Mysuru- 571130

ASSISTANT PROFESSOR
Agricultural Microbiology
Department of NRM
College of Horticulture
Yalachahalli, Yelawala,
MYSURU-571130

Dean,

Dr. Vishnuvardhana
College of Horticulture
Yalachahalli, Yelawala
Mysuru- 571130

Internal guide,

Dr. K Ramachandra Kini
Professor
Department of Biotechnology
Manasagangotri
Mysuru-570006

Chairperson

Dr. S Umesha
Professor
DoS in Biotechnology
Manasagangotri
Mysuru-570006

Chairman
Department of Studies in Biotechnology
University of Mysore, Manasagangotri
Mysuru - 570 006

Examiners,

1. Aparna H.S.
2. Geet. 1/9/23