


CERTIFICATE



This is to certify that the project work entitled "A STUDY ON THE ISOLATION, IDENTIFICATION AND CHARACTERIZATION OF AIR BORNE FUNGI" submitted by SHREEDEVI K M in partial fulfillment for degree of Master of Science in Botany contains the result of bonafide research carried at Department of Applied Botany, Mangalore University, under my supervision and guidance. No part of this work has been submitted to any other university for awarding any other degree or diploma.

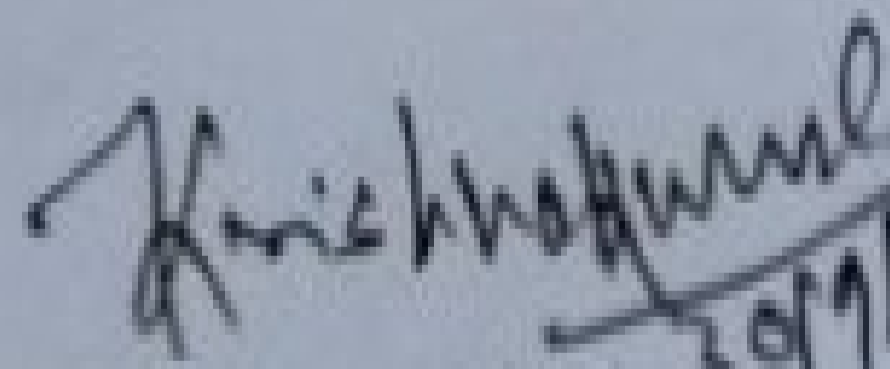



C.A. RAMESH
Guide

Place: Konafe

Date: 12-9-2022

Signature of Examiner


Signature of Chairman
Chairman


Department of Applied Botany
Mangalore University
Mangalagangothri - 574 199, D.K.

CERTIFICATE



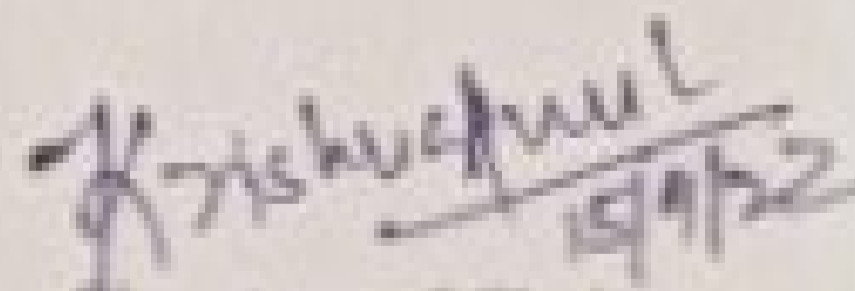
This is to certify that this work entitled "A STUDY ON ISOLATION AND CHARACTERIZATION OF SOIL BACTERIA" submitted by RASHMI PALLAVI P R in partial fulfilment of degree of Master science in Botany, containing result of the work carried out by her at department of applied botany, Mangalore University, under my supervision and guidance. No part of this work has been submitted to any other university for awarding any other degree or diploma. All sources of help received by her during the course of this work have been duly acknowledged.




Signature of Supervisor

(Dr A Ramesh)

Signature of examiner


Signature of Chairman
Chairman

Department of Applied Botany
Mangalore University
Mangalagangothri - 574 199, D.K.

Place: Konaje

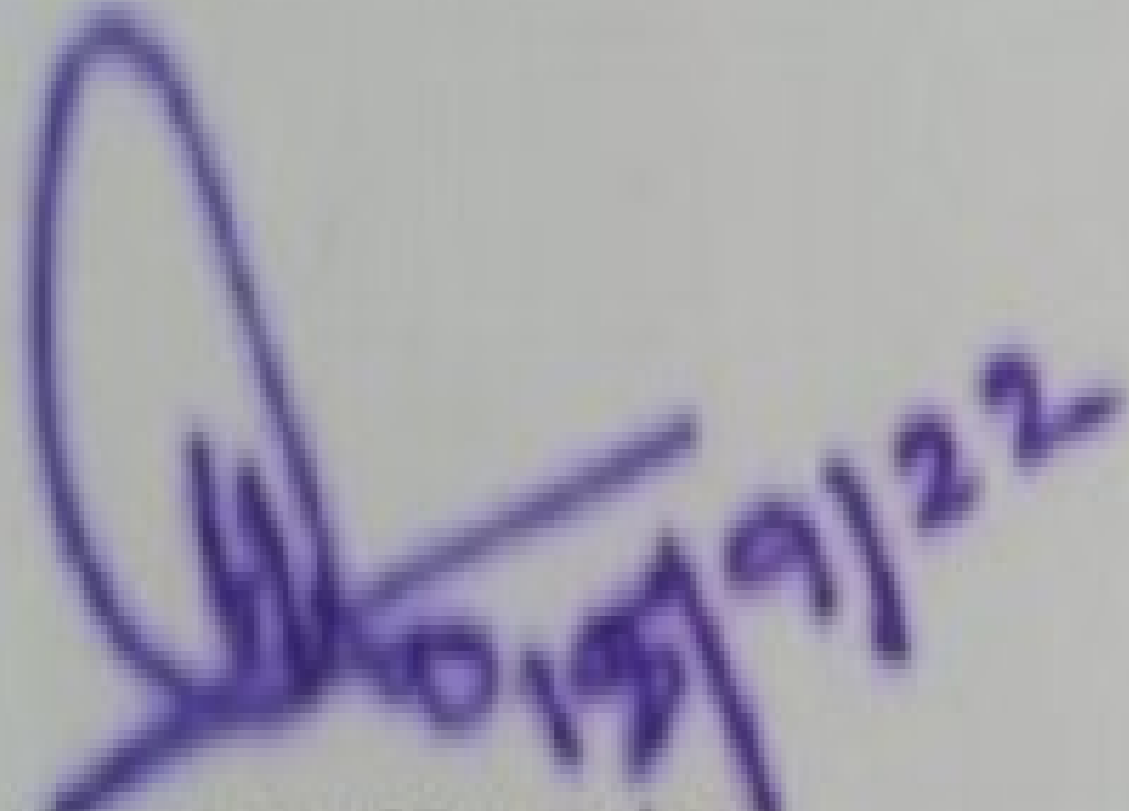
Date: 12-09-2022

CERTIFICATE



This is to certify that the current project work entitled "A STUDY ON SEED HEALTH PARAMETERS OF SELECTED PADDY VARIETIES OF *Oryza sativa L.*" submitted by, in **Shravya M** partial fulfilment for degree of Master of Science in Botany, which contains the results of work carried out at Department of Applied Botany, Mangalore University, under my supervision. No part of this has been submitted to any other university for awarding any other degree or diploma. All sources of help received by **Shravya M** during the course of this work have been duly acknowledged.




Signature of Supervisor

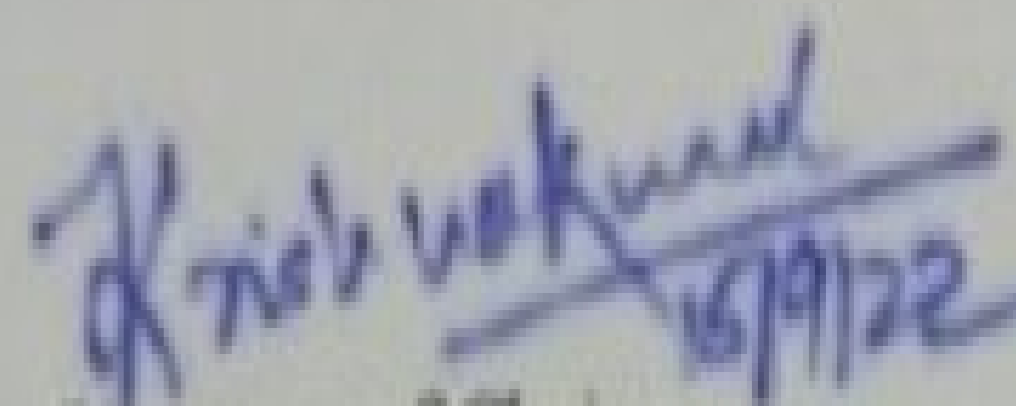

Dr. A. Ramesh

Department of Applied Botany

Signature of Examiners

Place: Konaje

Date: 12/09/20

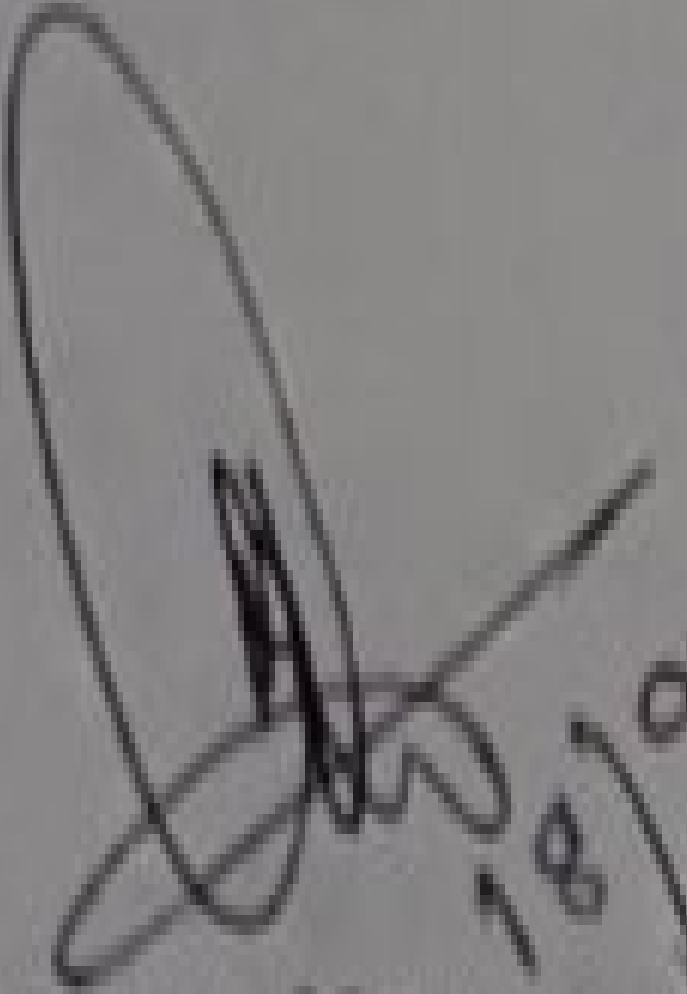

Signature of Chairman
Chairman

Department of Applied Botany
Mangalore University
Mangalagangothri - 574 198, O.K.

CERTIFICATE

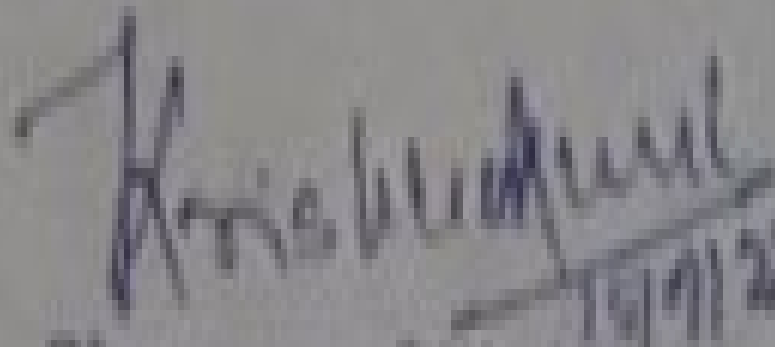


This is to certify that this work entitled "A STUDY ON ISOLATION AND CHARACTERIZATION OF SOIL BACTERIA" submitted by PAVITHRA K in partial fulfilment of degree of Master science in Botany, containing result of the work carried out by her at department of applied botany, Mangalore University, under my supervision and guidance. No part of this work has been submitted to any other university for receiving any other degree or diploma. All sources of help received by her during the course of this work have been duly acknowledged.


18/9/22
Signature of Supervisor

Dr (A. Ramesh)

Signature of examiner


18/9/22
Signature of Chairman
Chairman

Department of Applied Botany
Mangalore University
Mangalagangothri - 574 199, D.K.

Place: Konaje

Date: 12-09-2022

CERTIFICATE



This is to certify that this work entitled "ENDOPHYTIC FUNGI ISOLATED FROM *Manilkara zapota* Linn. A PROMISING SOURCE OF POTENTIAL BIOACTIVE METABOLITES" submitted by RAKSHITH B, in partial fulfillment of master of science in Botany of Mangalore University, contains the result of bonafide research carried out by him at Department of Applied Botany, Mangalore University, under my supervision and guidance. No part of this has been submitted to any other university for awarding any other degree or diploma. All sources of help received by him during the course of this work have been duly acknowledgement.

Signature of Supervisor

Dr. Raju Krishna Chalannavar

Department of Applied Botany

Place: Konaje

Date: 12-09-2022

Signature of Examiners

Signature of Chairman

Chairman

Department of Applied Botany

Mangalore University

Mangalagangothri - 574 199, D.K.

CERTIFICATE



This is to certify that this work entitled "**PHYTOCHEMICAL ANALYSIS OF LEA EXTRACT OF *Allophylus concanicus* (Radlk.)**" submitted by IFAZA G.M in parti fullfillment for degree of Master of Science in Botany of Mangalore University, contains the result of bonafide research carried out by her at Department of Applied Botany, Mangalore University, under my supervision and guidance. No part of this has been submitted to any other university for awarding any other degree or diploma. All sources of help received by them during the course of this work have been duly acknowledged.

A handwritten signature in black ink, appearing to read "Raju", with a horizontal line extending to the right.

Signature of Supervisor

Dr. Raju Krishna Chalannavar

Department of Applied Botany

Place: Konaje

Date : 12-09-2022

Signature of Examiners

A handwritten signature in black ink, appearing to read "Raju Krishna Chalannavar", with a horizontal line extending to the right.

Signature of Chairman
Chairman

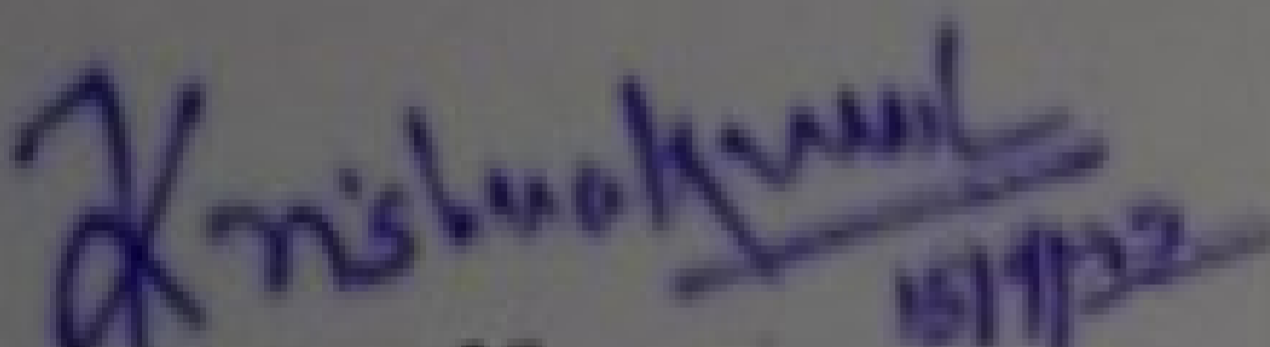
Department of Applied Botany
Mangalore University
Mangalagangothri - 574 199

CERTIFICATE



This is to certify that this work entitled "Studies on soil quality of some ecosystems" submitted by **Vidya Gayathri, E** in partial fulfilment for degree of Master of Science in Botany of Mangalore University, contains the result of bonafide research carried out by her at Department of Applied Botany, Mangalore University, under my supervision and guidance. No part of this has been submitted to any other university for awarding any other degree or diploma. All sources of help received by her during the course of this work have been duly acknowledged.

Signature of Examiners


Signature of Supervisor



Prof. Krishnakumar G

Department of Applied Botany

Place: Konaje

Date: 12/09/2022


Signature of Chairman
Chairman
Department of Applied Botany
Mangalore University
Mangalagangothri - 574 199, D.K.

CERTIFICATE



This is to certify that this work entitled "CHEMICAL COMPOSITION AND BIOLOGICAL ACTIVITY OF *Gymnostachyum febrifugum*" submitted by VEDANTHI MUTHAMMA in partial fulfilment for degree of Master of Science in Botany of Mangalore University, contains the result of bonafide research carried out by her at Department of Applied Botany, Mangalore University, under my supervision and guidance.

No part of this has been submitted to any other university for awarding any other degree or diploma. All sources of help received by her during the course of this work have been duly acknowledged.

Signature of the Supervisor

Dr. Raju Krishna Chalannavar

Department of Applied Botany

Place: Mangalagangothri

Date: 12-09-2022

Signature of Chairman



CERTIFICATE

Certified that this is the record of project work titled "**STUDY ON PHYTOCHEMICALS, ANTIOXIDANT AND ANTIMICROBIAL ACTIVITY FROM *Syzygium aqueum* (L) LEAF EXTRACTS**" carried out by **Ankitha. B (201621436105)** as part of **B.Sc IV semester** course in botany and submitted to the Department of Applied Botany, Mangalore University, Mangalagangothri for evaluation.


CHAIRMAN

Chairman

Department of Applied Botany
Mangalore University
Mangalagangothri - 574 199, D.K.



GUIDE

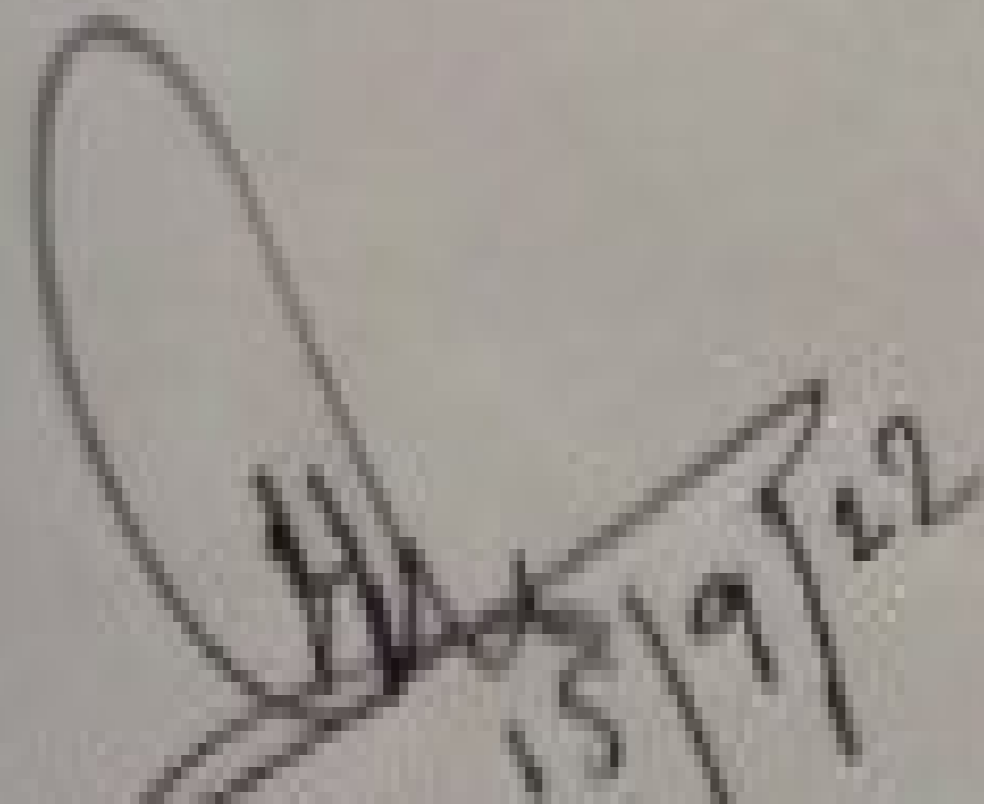
**Dr. RAJU KRISHNA G.
PROFESSOR**

Department of Applied Botany
Mangalore University, Mangalagangothri - 574 199
Mangalore, Karnataka, INDIA

CERTIFICATE



This is to certify that this work entitled "A study on the Microsporogenesis *Hibiscus rosa sinensis L.*" Submitted by ASHVITHA P.S. in partial fulfillment for degree of Master of Science in Botany of Mangalore University, contains the result of bonafide research carried out by her at Department of Applied Botany, Mangalore University, under my supervision and guidance. No part of this work has been submitted to any other university for awarding any other degree or diploma.

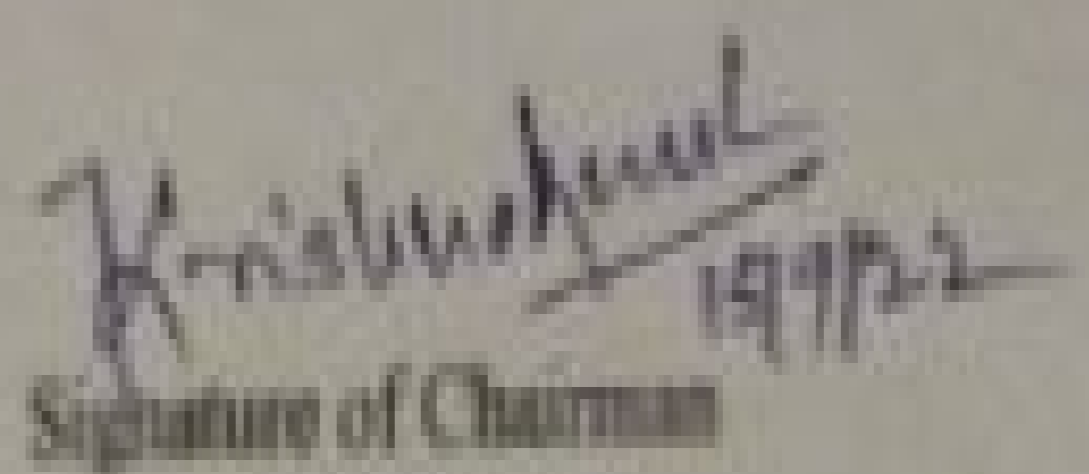

15/9/22

Signature of supervisor

(A. R. Ramesh)

Date: 12/09/2022

Signature of Examiners


19/9/22

Signature of Chairman

Chairman

Department of Applied Botany
Mangalore University
Mangalagangothri - 574 100, D.K.

CERTIFICATE



This is to certify that the current project work entitled "A Study on Isolation and characterization fungi associated with spoilage of Tomato" submitted by Lavanya D is in partial fulfillment for degree of Master of Science in Botany, which contains the results of the work carried out by her in Department of Applied Botany, Mangalore University, under my supervision. No part of this has been submitted to any other university for awarding any other degree or diploma. All sources of help received by her during the course of this work have been duly acknowledged.

Signature of supervisor

(A. Ramesh)

Date: 12/09/2022

Place: Kondeje

Signature of Examiners

Signature of Chairman

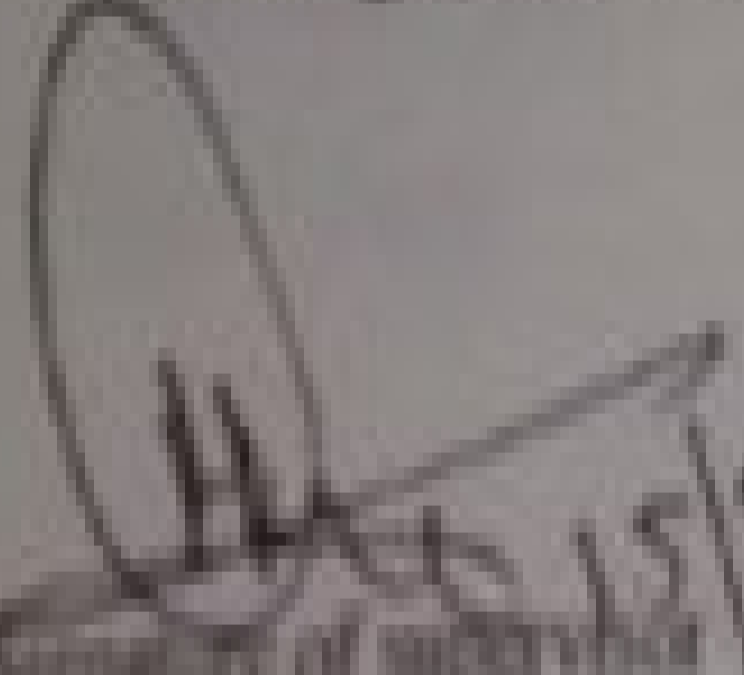
Chairman

Department of Applied Botany
Mangalore University
Mangalanganthi - 574 109, D.K.


CERTIFICATE



This is to certify that the current project work intitled "A Study on Isolation and characterization fungi associated with spoilage of Tomato" submitted by Nayana N is to partial fulfilment for degree of Master of Science in Botany, which contains the results of the work carried out by her at Department of Applied Botany, Mangalore University, under my supervision. No part of this has been submitted to any other university for awarding any other degree or diploma. All sources of help received by her during the course of this work have been duly acknowledged.


Signature of supervisor
15/9/22
(K.A. Ramch)

Signature of Examiners



Signature of Chairman
Chairman
Department of Applied Botany
Mangalore University
Mangalaghat- 574 101, D.K.

Date: 12/09/2022
Place: Konaje

CERTIFICATE



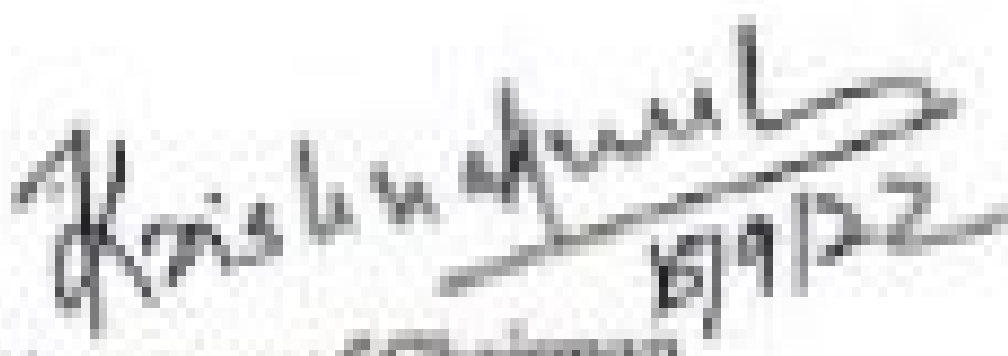
This is to certify that the current project work entitled "A Study on the identification of B Chromosomes and its behaviour during mitosis in the roots of germinating seeds of *Trigonella foenum-graecum* L." submitted by Manjunath Somappa in partial fulfilment for degree of Master of Science in Botany, which contains the results of the work carried out at Department of Applied Botany, Mangalore University, under my supervision. No part of this has been submitted to any other university for awarding any other degree or diploma.


Signature of supervisor
15/9/22

Dr. (A Ramesh)

Date: 12/09/2022

Signature of Examiners


Signature of Chairman
15/9/22
Department of Applied Botany
Mangalore University
Mangalagangothri - 574 199, D.K.

MANGALORE UNIVERSITY



**Department of
APPLIED BOTANY**

CERTIFICATE

Certified that this is the record of project work entitled "**ANALYSIS OF PHYSICICHEMICAL
PARAMETRES OF POND WATER FROM DAKSHINA KANNADA DISTRICT**" carried
out by **CHAITHRA SHETTY** as a part of the M.Sc. IV semester course in Botany (CBCS 2021 -
2022) and submitted to the Department of Applied Botany, Mangalore University for evaluation.

Place: Mangalagangothri

Date: 12/09/2022

Signature of Chairman

Department of Applied Botany
Mangalore University
Kannur Road, Mangalore

CERTIFICATE



This is to certify that this work entitled "ENDOPHYTIC FUNGI ISOLATED FROM *Morinda zapota* Linn. A PROMISING SOURCE OF POTENTIAL BIOACTIVE METABOLITES" submitted by SHREERANJAN SHARMA N, in partial fulfillment of master of science in Botany of Mangalore University, contains the result of bonafide research carried out by him at Department of Applied Botany, Mangalore University, under my supervision and guidance. No part of this has been submitted to any other university for awarding any other degree or diploma. All sources of help received by him during the course of this work have been duly acknowledged.

Signature of Supervisor

Dr. Raju Krishna Chalanavara
Department of Applied Botany

Place: Kondej

Date: 12-09-2022

Signature of Examiners

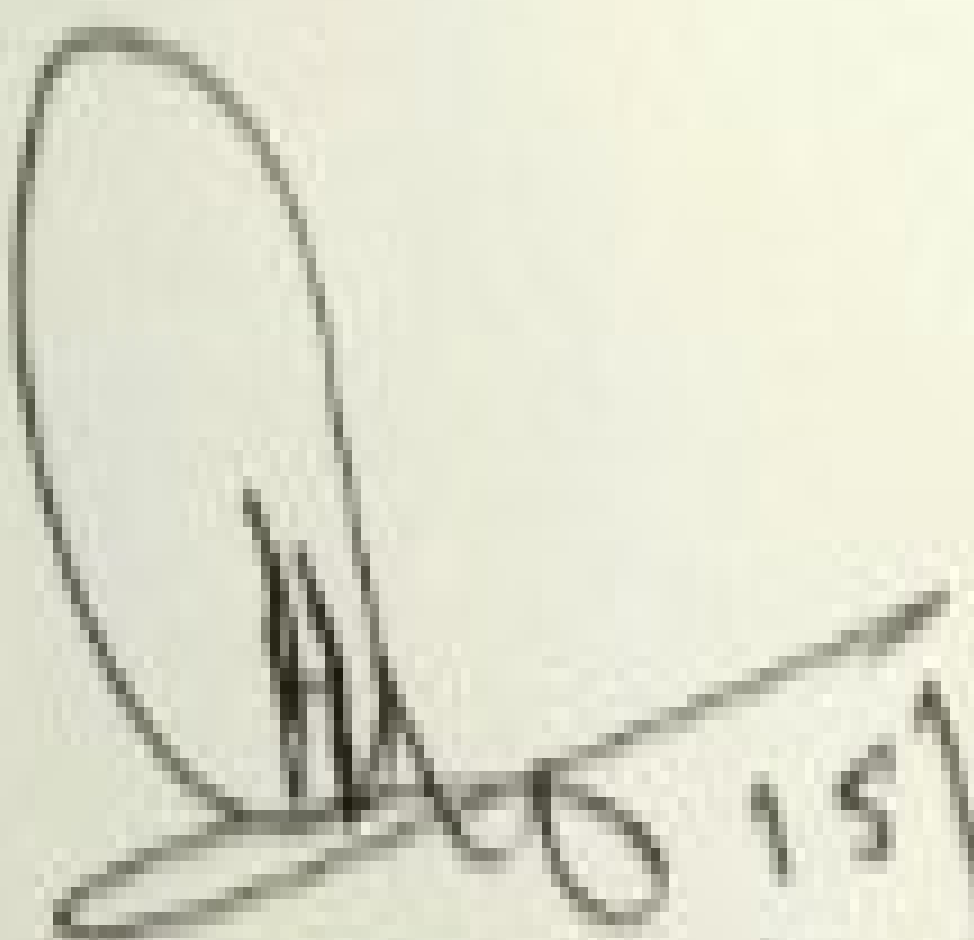
Signature of Chairman

Chairman
Department of Applied Botany
Mangalore University
Mangalagangothri - 574 199, O.K.

CERTIFICATE

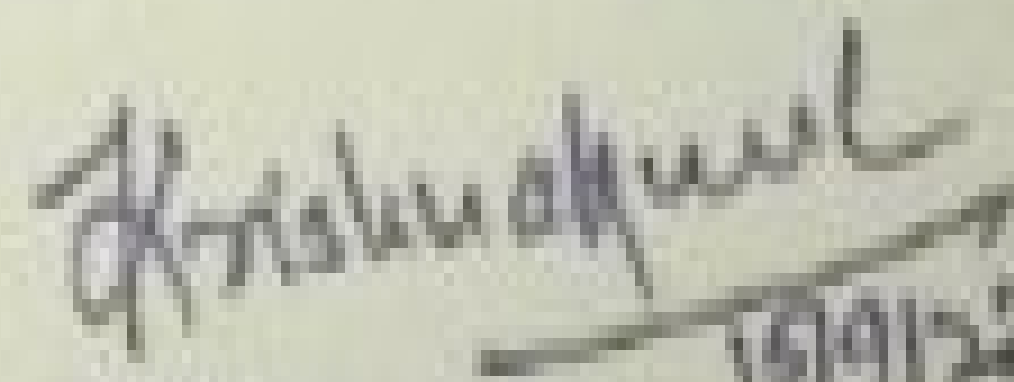


This is to certify that the current project work entitled "Isolation and characterization of *Rhizobium* sp. from root nodules of selected leguminous plants" submitted by Lavanya, in partial fulfilment for degree of Master of Science in Botany, which contains the results of the work carried out by her at Department of Applied Botany, Mangalore University, under my supervision. No part of this work has been submitted to any other university for awarding any other degree or diploma. All sources of help received by her during the course of this work have been duly acknowledged.


15/9/22
Signature of supervisor

(A Ramesh)

Signature of Examiners


15/9/22
Signature of Chairman
Chairman

Department of Applied Botany
Mangalore University
Mangalagangothri - 574 199, D.K.

Date: 12/09/2022

Place: Mangalagangothri, Konaje



CERTIFICATE

Certified that this is the record of project work titled "STUDY ON PHYTOCHEMICALS, ANTIOXIDANT AND ANTIMICROBIAL ACTIVITY FROM *Syzygium aqueum* (L) LEAF EXTRACTS" carried out by Aashitha (201621436101) as part of the MSc IV semester course in botany and submitted to the Department of Applied Botany, Mangalore University, Mangalagangothri for evaluation.

Kishnakuel
5/12/22

CHAIRMAN
Chairman

Department of Applied Botany
Mangalore University
Mangalagangothri - 574 199, D.K

GUIDE
Dr. RAJU KRISHNA C.
PROFESSOR

Department of Applied Botany
Mangalore University, Mangalagangothri - 574 199
Mangalore, Karnataka, INDIA

MANGALORE UNIVERSITY



Department of
APPLIED BOTANY

CERTIFICATE

Certified that this is the record of project work entitled "ANALYSIS OF PHYSICOCHEMICAL
PARAMETRES OF POND WATER FROM DAKSHINA KANNADA DISTRICT" carried
out by SANCHITHA C.C. as a part of the M.Sc. IV semester course in Botany (CBCS 2021 -
2022) and submitted to the Department of Applied Botany, Mangalore University for evaluation.

Place: Mangalagangothri

Date: 12/09/2022

Krishnapur

Signature of Chairman

Chairman

Department of Applied Botany,
Mangalore University
Mangalagangothri - 574 199, D.K.

CERTIFICATE



This is to certify that this work entitled "PHYTOCHEMICAL ANALYSIS ON *Glycosmis pentaphylla* (Retz.)DC." submitted by AJAY PETER DSOUZA in partial fulfillment for degree of Master of Science in Botany, Mangalore University, contains the result of bonafide research carried out by them at Department of Applied Botany, Mangalore University, under my supervision and guidance.

Krishnakumar
20/9/22
Guide

Krishnakumar
20/9/22
Chairperson

Mangalagangothri, Kasaragod

12-09-2022

MANGALORE



UNIVERSITY

(Accredited by NAAC)

M.Sc. Botany Course, Mangalagangothri 574199

CERTIFICATE

certify that this work entitled " AN ETHNOBOTANICAL SURVEY OF PLANTS
BY THE KORAGA COMMUNITY IN KASARAGOD DISTRICT OF KERALA
submitted by **RAKSHITA PANIKKER S.M** in partial fulfilment for degree
of Science in Applied Botany of Mangalore University, Mangalagangothri, contains
bonafide and original research work carried out at Department of Applied Botany,
Mangalore University, Mangalagangothri in the academic year 2021-2022.

Signature of Examiners

Mangalagangothri, Konaje

2 - 09-2022

Krishnakumar
15/9/22

Signature of Chairman

Chairman

Department of Applied Botany
Mangalore University

CERTIFICATE



This is to certify that this work entitled "PHYTOCHEMICAL ANALYSIS ON *Glycosmis pentaphylla* (Retz.)DC." submitted by DEEPTHI in partial fulfillment for degree of Master of Science in Botany of Mangalore University, contains the result of bonafide research carried out by them at Department of Applied Botany, Mangalore University, under my supervision and guidance.

Krishnakumar
Guide
15/9/22

Krishnakumar
Chairperson
Chairman
Department of Applied Botany
Mangalore University
Mangalagangothri - 574 193, O.K.

Mangalagangothri, Konaje

12-09-2022

CERTIFICATE



This is to certify that this work entitled "PHYTOCHEMICAL SCREENING ON *Boerhaavia diffusa* PLANT" submitted by NITHYA M (Regno:201621436120) is partial fulfillment for degree of Master of Science in Botany of Mangalore University, contains the result of bonafide research carried out by them at Department of Applied Botany Mangalore University, under my supervision and guidance.

Krishnakant
14/9/22
Guide

Krishnakant
14/9/22
Chairperson

Chairman
Department of Applied Botany
Mangalore University
Mangalagangothri - 574 199, U.K.

Place: Mangalagangothri

Date: 13-09-2022

CERTIFICATE



This is to certify that the current project work entitled "A STUDY ON SEED HEALTH PARAMETERS OF SELECTED PADDY VARIETIES OF *Oryza sativa L.*" submitted by, in Kripa shendye partial fulfillment for degree of Master of Science in Botany, which contains the results of work carried out at Department of Applied Botany, Mangalore University, under my supervision. No part of this has been submitted to any other university for awarding any other degree or diploma. All sources of help received by Kripa shendye during the course of this work have been duly acknowledged.



Signature of Supervisor

(A Ramesh)

Department of Applied Botany

Signature of Examiners

Place: Konde

Date: 12/09/20

Signature of Chairman

Chairman
Department of Applied Botany
Mangalore University
Mangalore-575 001, K.S.R.

CERTIFICATE



This is to certify that this work entitled "PHYTOCHEMICAL ANALYSIS ON *Boerhavia diffusa* PLANT" submitted by DHANYASHREE K P (Reg no:201621436110), in partial fulfillment for degree of Master of Science in Botany of Mangalore University, contains the result of bonafide research carried out by them at Department of Applied Botany Mangalore University, under my supervision and guidance.

Krishna Kumar
12/9/22
Guide

Krishna Kumar
12/9/22
Chairperson
Chairman

Department of Applied Botany
Mangalore University
Mangalanganjotri - 574 199, D.K.

Place: Konaje

Date: 12-09-2022

MANGALORE



UNIVERSITY

(Accredited by NAAC)

M.Sc. Botany Course, Mangalagangothri 574199

CERTIFICATE

This is to certify that this work entitled " AN ETHNOBOTANICAL SURVEY OF PLANTS USED BY THE KORAGA COMMUNITY IN KASARAGOD DISTRICT OF KERALA, INDIA " submitted by SNEHA K in partial fulfillment for degree of Master of Science in Applied Botany of Mangalore University, Mangalagangothri, contains the result of bonafide and original research work carried out at Department of Applied Botany, Mangalore University, Mangalagangothri in the academic year 2021-2022.



Signature of Examiners

Place: Mangalagangothri, Keraja

Date: 12 - 09-2022

Signature of Chairman
Chairman

Department of Applied Botany
Mangalore University
Mangalagangothri - 574 199, D.K.

CERTIFICATE



This is to certify that this work entitled "PHYTOCHEMICAL ANALYSIS OF LEAF EXTRACT OF *Strobilanthes mullayanagiriensis*" submitted by VINAYASHREE K, in partial fulfillment of degree of Master of Science in Botany of Mangalore University, contains the result of bonafide research carried out by her at Department of Applied Botany, Mangalore University, under my supervision and guidance. No part of this has been submitted to any other University for awarding any other degree or diploma. All sources of help received by her during the course of this work have been duly acknowledged.



Signature of Examiners

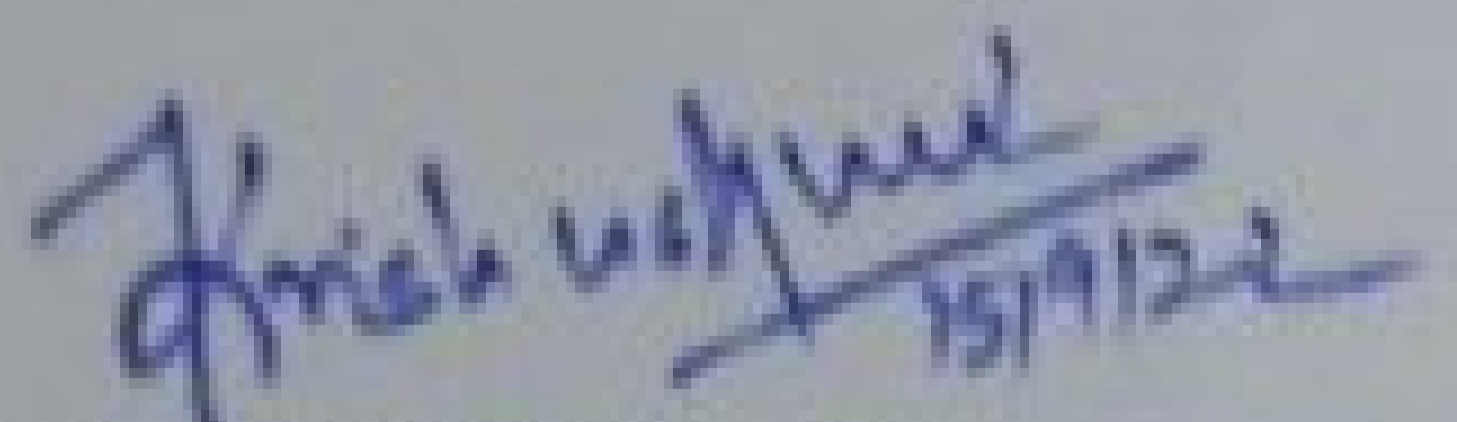

Signature of Supervisor

Prof. Krishnakumar G

Department of Applied Botany

Place: Mangalagangothri, Konaje

Date: 12-09-2022




Signature of Chairman
Chairman

Department of Applied Botany
Mangalore University
Mangalagangothri - 574 199, D.K.

CERTIFICATE



This is to certify that this work entitled "A study on the Microsporogenesis *Hibiscus rosa sinensis* L." Submitted by B.C.POOJA in partial fulfillment for degree of Master of Science in Botany of Mangalore University, contains the result of bonafide research carried out by her at Department of Applied Botany, Mangalore University, under my supervision and guidance. No part of this work has been submitted to any other university for awarding any other degree or diploma.


15/9/22
Signature of supervisor
(A. K. Ramiah)

Date: 12/09/2022

Signature of Examiners


Signature of Chairman

Chairman

Department of Applied Botany
Mangalore University
Mangalagangothri - 574 125, U.K.

CERTIFICATE

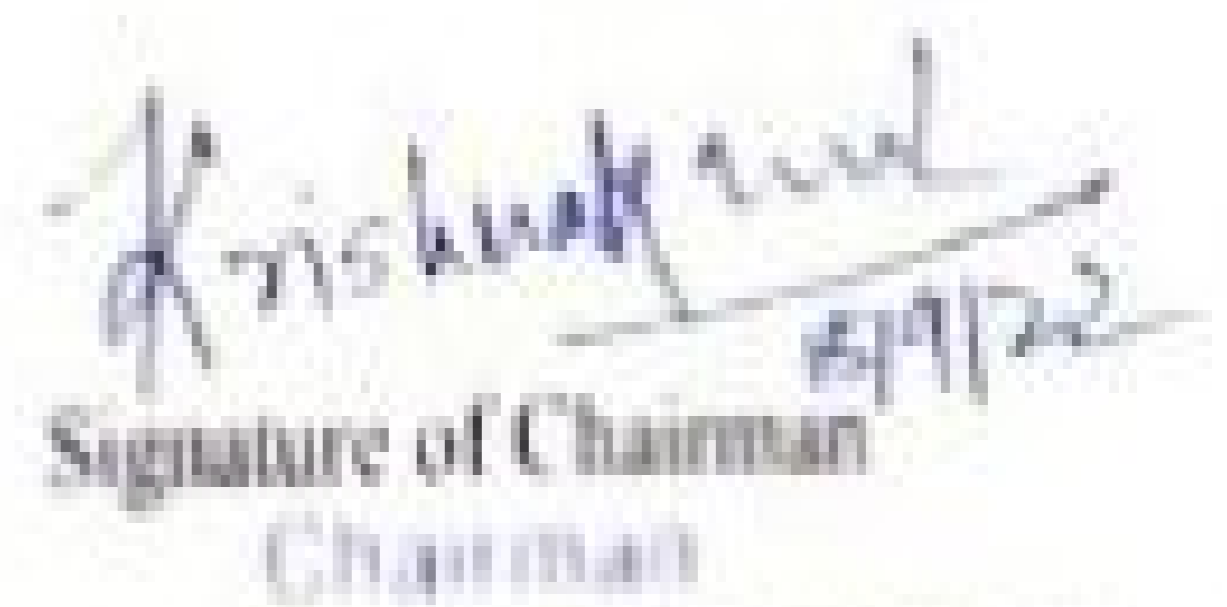


This is to certify that the current project work entitled "Isolation and characterization of *Rhizobium* sp. from root nodules of selected leguminous plants" submitted by AISHWARYA H M, in partial fulfilment for degree of Master of Science in Botany, which contains the results of the work carried out by her in Department of Applied Botany, Mangalore University, under my supervision. No part of this work has been submitted to any other university for awarding any other degree or diploma. All sources of help received by her during the course of this work have been duly acknowledged.


Signature of supervisor

(A Ramesh)

Signature of Examiners


Signature of Chairman
Chairman

Department of Applied Botany
Mangalore University
Mangalore - 574 199, O.K.

Date: 12/09/2022

Place: Mangalagangothri, Konaje

CERTIFICATE



This is to certify that this work entitled "ISOLATION, CHARACTERIZATION AND BIOCHEMICAL PARAMETERS OF ENDOPHYTIC FUNGI FROM *Annona reticulata* Linn. LEAVES" submitted by ANJALI C P in partial fulfillment of master of science in Botany of Mangalore University, contains the result of bonafide research carried out by her at Department of Applied Botany, Mangalore University, under my supervision and guidance. No part of this has been submitted to any other university for awarding any other degree or diploma. All sources of help received by her during the course of this work have been duly acknowledged.

Signature of Supervisor

Dr. Raju Krishna Chalannavar

Department of Applied Botany

Signature of Examiners

Place: Konaje

Date: 12-09-2022

Signature of Chairman
Chairman

Department of Applied Botany
Mangalore University
Mangalagangothri - 574 193, D.K.

CERTIFICATE



This is to certify that this work entitled "ISOLATION, CHARACTERIZATION AND BIOCHEMICAL PARAMETERS OF ENDOPHYTIC FUNGI FROM *Annona reticulata* Linn. LEAVES" submitted by YESHASHWI NAIK K in partial fulfillment of master of science in Botany of Mangalore University, contains the result of bonafide research carried out by her at Department of Applied Botany, Mangalore University, under my supervision and guidance. No part of this has been submitted to any other university for awarding any other degree or diploma. All sources of help received by her during the course of this work have been duly acknowledged.

Signature of Supervisor

Dr. Raju Krishna Chalannavar

Department of Applied Botany

Signature of Examiners

Place: Konaje

Date: 12-09-2022

Signature of Chairman
Chairman
Department of Applied Botany
Mangalore University
Mangalagangothri - 574 190, D.K.

CERTIFICATE



This is to certify that the current project work entitled "A Study on the identification of B Chromosomes and its behaviour during mitosis in the roots of germinating seeds of *Trigonella foenum-graecum* L." submitted by John Joseph in partial fulfilment for degree of Master of Science in Botany, which contains the results of the work carried out at Department of Applied Botany, Mangalore University, under my supervision. No part of this has been submitted to any other university for awarding any other degree or diploma.


Signature of supervisor
15/9/22

(A Ramesh)

Date: 12/09/2022

Signature of Examiners


30/9/22

Signature of Chairman


Chairman

Department of Applied Botany
Mangalore University
Mangalagangothri - 574 199, D.K.

CERTIFICATE



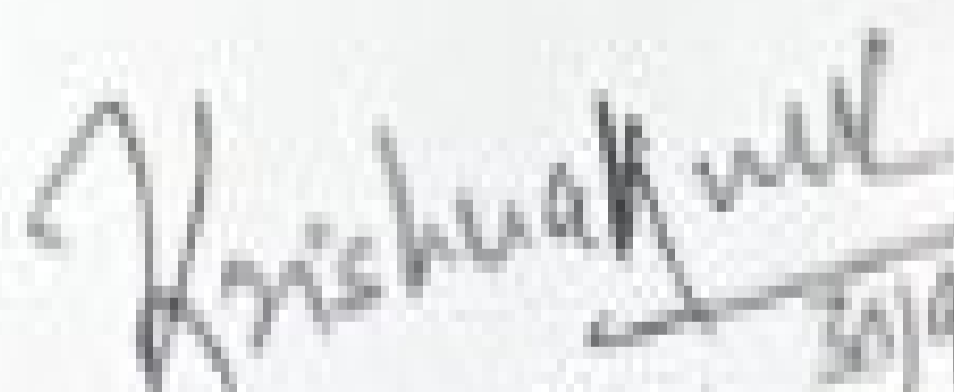
This is to certify that the project work entitled "A STUDY ON THE ISOLATION, IDENTIFICATION AND CHARECTERIZATION OF AIR BORNE FUNGI" submitted by SHAMBHAVI in partial fulfillment for degree of Master of Science in Botany contains the result of bonafide research carried out by me at Department of Applied Botany, Mangalore University, under my supervision and guidance. No part of this work has been submitted to any other university for awarding any other degree or diploma.


C.A. RAMESH
Guide

Place: Konaje

Date: 12-9-2022

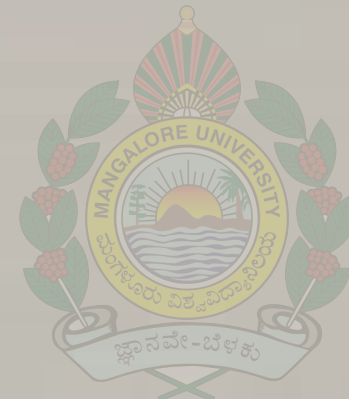
Signature of Examiner


Signature of Chairman
Chairman
Department of Applied Botany
Mangalore University
Mangalagangothri - 574 193, D.K.

CERTIFICATE



This is to certify that this work entitled "PHYTOCHEMICAL ANALYSIS OF LEAF EXTRACT OF *Strobilanthes mullayanagiriensis*" submitted by SOWMYA, in partial fulfillment of degree of Master of Science in Botany of Mangalore University, contains the result of bonafide research carried out by her at Department of Applied Botany, Mangalore University, under my supervision and guidance. No part of this has been submitted to any other University for awarding any other degree or diploma. All sources of help received by her during the course of this work have been duly acknowledged.



Signature of Examiners

Signature of Supervisor

Prof. Krishnakumar G

Department of Applied Botany

Place: Mangalagangothri, Konaje

Date: 12-09-2022

Signature of Chairman

Chairman
Department of Applied Botany
Mangalore University
Mangalagangothri-574 133, K.A.

CERTIFICATE



This is to certify that this work entitled "Studies on soil quality of some ecosystems" submitted by **Renisha Mishal R Lobo** in partial fulfillment for degree of Master of Science in Botany of Mangalore University, contains the result of bonafide research carried out by her at Department of Applied Botany, Mangalore University, under my supervision and guidance. No part of this has been submitted to any other university for awarding any other degree or diploma. All sources of help received by her during the course of this work have been duly acknowledged.

Signature of Examiners

A handwritten signature in blue ink, appearing to read "Krishnakumar G".

Signature of Supervisor

Prof. Krishnakumar G

Department of Applied Botany



Place: Konde

Date: 12/09/2022

A handwritten signature in blue ink, appearing to read "Krishnakumar G" with the year "1972" written below it.


Signature of Chairman
Chairman

Department of Applied Botany,
Mangalore University
Mangalagangothri - 574 199, D.K.

CERTIFICATE



This is to certify that this work entitled "EVALUATION OF PHYTOCHEMICALS, ANTI MICROBIAL AND ANTI OXIDANT ACTIVITY FROM LEAF EXTRACT OF *Centratherum punctatum*" submitted by SHRAVYA O S in partial fulfillment for degree of Master of Science in botany of Mangalore University, contains the result of bona fide research carried out by her at Department of Applied Botany, Mangalore University, under my supervision and guidance.

No part of this has been submitted to any other university for awarding any other degree or diploma. All sources of help received by  during the course of this work have been duly acknowledged.

Signature of Supervisor

Dr. Raju Krishna Chalamavur
Department of Applied Botany

Place: Mangalagangothri
Date: 12-09-2022

Signature of Chairman
Chairman

Department of Applied Botany
Mangalore University
Mangalagangothri - 574 199, D.S.

CERTIFICATE



This is to certify that this work entitled "CHEMICAL COMPOSITION AND BIOLOGICAL ACTIVITY OF *Gymnostachyum febrifugum*" submitted by SHRIPOORNA in partial fulfilment for degree of Master of Science in Botany of Mangalore University, contains the result of bonafide research carried out by her at Department of Applied Botany, Mangalore University, under my supervision and guidance.

No part of this has been submitted to any other university for awarding any other degree or diploma. All sources of help received by her during the course of this work have been duly acknowledged.

Signature of the Supervisor

Dr. Raju Krishna Chalannavar

Department of Applied Botany

Place: Mangalagangothri

Date: 12-09-2022

Signature of Chairman
Chairman

Department of Applied Botany
Mangalore University
Mangalagangothri - 574 199, D.K.

CERTIFICATE



This is to certify that this work entitled "PHYTOCHEMICAL ANALYSIS OF LEAF EXTRACT Of *Centratherum punctatum*" submitted by VIDYA P. in partial fulfillment for degree of Master of Science in Botany of Mangalore University, contains the result of bonafide research carried out by her at Department of Applied Botany, Mangalore University, under my supervision and guidance
No part of this has been submitted to any other university for awarding any other degree or diploma. All sources of help received by them during the course of this work have been duly acknowledged.



Signature of Supervisor

Dr. Raju Krishna Chalannavar

Department of Applied Botany

Place: Konaje

Date: 12-09-2022

Signature of Chairman
Chairman

Department of Applied Botany
Mangalore University
Mangalagangothri - 574 199, O.K.