

#### **CERTIFICATE**

Certified that this is the record of project work titled "Study of Physicochemical and Biological characteristics of selected Ponds from Somwarapete taluk, Kodagu district" carried out by Ms. Arya K., Reg No.: 193902713, Ms.Nayana Janardhanan., Reg. No.: 193902711, Mr Pavan Kumar R., Reg No: 193902706 as a part of the M.Sc. IV<sup>th</sup> semester course in Botany (2020-2021) and submitted to the Department of Botany, Mangalore University for evaluation.

Co-Ordinator

Department Of Botany Mangalore University

\*\* Kavery, Post Gnaduate Centre, Chikks Appara . 71737

P.B.No19, Kushalnagar (Post) Somwarpet (Tq), Kodagu (Olstrius)



#### **CERTIFICATE**

Certified that this is the record of project work titled "Isolation and phylogenetic analysis of endophytic fungi Nigropsora oryzae (Berk. & Broome) from the leaf of Breynia vitis-idaea Burm.f C.E.C.Fischer" carried out by Ms. Ashwini Ashokan P., Reg No: 193902709, Ms. Aswathi K. Reg No: 193902712 as a part of the M.Sc. IV<sup>th</sup> semester course in Botany (2020-2021) and submitted to the Department of Botany, Mangalore University for evaluation.

CO-ORDINA TORK OF BOTANY

presentations

Mangalore University

Na Kavery, Post Gnaduate Centre, Chikka Aluvara- 571232.

P.B.No19, Kushalnagar (Post)
Some arpet (Tq), Kodagu (District)



#### **CERTIFICATE**

Certified that this is the record of project work titled "STUDIES ON THE SEED HEALTH TESTING OF SELECTED PULSES" carried out by Ms. MEGHANA P.S Reg. No.: 193902710, Ms. ASHMITHA A.R. Reg.No: 193902705 as a part of the M.Sc. IV<sup>th</sup> semester course in Botany (2020-2021) and submitted to the Department of Botany, Mangalore University for evaluation.

CHAIRPERSON Co-Ordinator

Department Of Botany

Mangalore University

mana Kavory, Post Gnaduate Centre, Chikka Aluvara, 571232, P.B.No19, Kushalnagar (Posti Some ripet (Tq), Kodagu (District)

GUIDE



#### **CERTIFICATE**

Certified that this is the record of project work titled "Molecular phylogeny of endophytic fungi from the leaves of Breynia vitis-idaea (Burm.f.) C.E.C. Fischer." carried out by Ms. Brunda C. D. Reg. No.: 193902701 and Sangeetha B. M. Reg. No.: 193902702 as a part of the M.Sc., IVth semester course in Botany (2020-2021) and submitted to the Department of Botany, Mangalore University for evaluation.

CO-ORDINA TOMINATO

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Department Of Botany Mana Kavery, Post Gnaduate Centre, Chikka Atuvara- 571232,

Somwarpet (Tq), Kodagu (District)

GUIDE

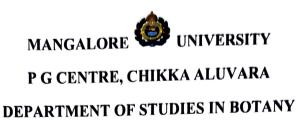
#### **CERTIFICATE**

Certified that this is the record of project work titled "Isolation, identification and phylogenetic analysis of endophytic fungi from the leaves of Breynia vitis-idaea (Burm.f.) C.E.C.Fischer" carried out by Ms. Sreelekha A & Ms. Shilpa M Reg. No.: 193902707 & Reg. No.: 193902708 respectively, as a part of the M.Sc. IV<sup>th</sup> semester course in Botany (2020-2021) and submitted to the Department of Botany, Mangalore University for evaluation.

Co-Ordinator

Department Of Botany very, Post Gnaduate Centre, Chikka Atuvara: 571232,

P.B.No18, Kushalnagar (Post) Some irpet (Tq), Kodady (D)Surjet)



Certified that this is the record of project work titled "Isolation and molecular characterization of endophytic fungi of Brenia vitis-idaea petiole" carried out by Ms. Sujatha S S, Ms. Savitha. S.N Reg. No.: 193902704/ 193902703 as a part of the M.Sc. IVth semester course in Botany (2020-2021) and submitted to the Department of Botany, Mangalore University for evaluation.

Ordinator

Department Of Botany

very, Post Gnaduate Centre, Chikka Aluvara, 474232, P.B.No19, Kushalnagar (Post) Somwarpet (Tq), Kodagu (District)



(Accredited by NAAC with 'A' Grade)
M.Sc. BOTANY Course, Mangalagangothri 574 199

## **CERTIFICATE**

This is to certify that the dissertation entitled "EVALUATION OF ACUTE ORAL TOXICITY EXPOSURE TO THE CHLOROFORM LEAVES EXTRACT OF Syzygium kanarense (TALBOT) RAIZADA" submitted to Mangalore University, Mangalore by Reg. No.193072701 under the guidance of Prof. Raju Krishna Chalannavar, towards partial fulfillment of the Master of Science degree in Botany, is a faithful record of bonafide and original research work carried by him in the academic year 2020-2021.

Place: Mangalagangothri

Date: 30-10-2021

Research Supervisor

Chairman Chairman

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



(Accredited by NAAC)
M.Sc. Botany Course, Mangalagangotri 574 199

### CERTIFICATE

This is to certify that the dissertation entitled "EVALUATION OF ACUTE ORAL TOXICITY IN METHANOLIC EXTRACT OF LOBELIA NICOTIANIFOLIA ROTH EX SCHULT. LEAF IN WISTAR RATS" submitted to Mangalore University, Mangalagangotri, Mangalore by Reg. No. 193072702, towards partial fulfillment of the Master of Science degree in Botany, is a faithful record of bonafide and original research work carried by her in the academic year 2020-2021.

Place: Mangalagangotri, Konaje

Date: 30-10-2021

Signature of Examiners

Chairman

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



(Accredited by NAAC with 'A' Grade)
M.Sc. BOTANY Course, Mangalagangothri 574 199

## CERTIFICATE

This is to certify that the dissertation entitled "EVALUATION OF ACUTE ORAL TOXICITY EXPOSURE TO THE CHLOROFORM LEAVES EXTRACT OF Syzygium kanarense (TALBOT) RAIZADA" submitted to Mangalore University, Mangalore by Reg. No.193072703 under the guidance of Prof. Raju Krishna Chalannavar, towards partial fulfillment of the Master of Science degree in Botany, is a faithful record of bonafide and original research work carried by him in the academic year 2020-2021.

Place: Mangalagangothri

Date: 30-10-2021

Research Supervisor

Chairman Chairman

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



This is to certify that this work entitled "STUDY ON ANTHRACNOSE DISEASE OF COW PEA (VIGNA UNGUICULATA) AND ITS MANAGEMENT" submitted by 193072704 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 them during the course of this work have been duly acknowledged.

Signature of Supervisor

Signature of Examiners

Dr. Raju Krishna Challanavar

Department of Applied Botany Chairman Department of Applied Botany Mangalore University
Mangalagangotri - 574 199, D.K.
Place: Konaje

Date:9-10-2021



This is to certify that this work entitled "STUDY ON PHYTOCHEMICALS AND

ANTIBACTERIAL ACTIVITY OF THE LEAF EXTRACTS OF Calycopteris

floribunda Lam." submitted by Reg no:193072705, 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.

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Guide 30/10/2)

Konaje Date Chairman

Department of Applied Botany

Mangalore University

Mangalagangotri - 574 199, D.K.



This is to certify that this work entitled "A SURVEY ON THE DISEASE MANAGEMENT OF FRUIT ROT OF Areca catechu L. IN KASARAGOD DISTRICT OF KERALA" submitted by 193072706, 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. A Ramesh

Department of Applied Botany

Place: Konaje

Date: 19-10-2021

Signature of Examiner

Department of Applied Botany Mangalore University

Mangalagangotri - 574 199, D.K.



This is to certify that this work entitled "A Study on Seed Health Parameters in Different Varieties of Paddy", submitted by Reg no:193072707, 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.

Chairman

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

Konaje

Date: 30 10 2021



# MANGALORE UNIVERSITY DEPARTMENT OF BOTANY

#### CERTIFICATE

Certified that this is the record of project work titled "STUDY ON PHYTOCHEMICALS

AND ANTIMICROBIAL ACTIVITY OF THE LEAF EXTRACTS OF Strychnos nux-vomica

Linn. carried out by Ms. Bhavya D Nayak (Reg.no 193072708) as a part of the M.Sc. IV semester course in Botany (CBSE - 2020 -21) and submitted to the Department of Botany, Mangalore

University for evaluation.

Department of Applied Botany

Mangalore University

Mangalagangotri - 574 199, D.K.

Krishvahum 30/10/21



This is to certify that this work entitled "A REVIEW AND SURVEY OF IMPORTANT FUNGAL DISEASES IN PADDY, ORYZA SATIVA .L" submitted by 193072709, in partial fulfillment for degree of Master of Science in Botany of Mangalore University, contains review articles and surveyed 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. Annaiah Ramesh

Department of Applied Botany

Place: Konaje

Date: 18-10-2021

Signature of

Examiners

Department of Applied Botany

Mangalore University

Mangalagangotri - 574 199, D.K



This is to certify that this work entitled "STUDY OF PHYTOCHEMICAL ANALYSIS ON Melastoma malabathricum L. AND ITS EFFECT ON SEED GERMINATION submitted by Reg no: 193072710, in partial fulfillment for degree of Master of Science in Botany of Mangalore University, Mangalagangotri, contains the result of bonafide research carried out by her at Department of Applied Botany, Mangalore University, Mangalagangotri, under my supervision and guidance.

Signature of Supervisor

Signature of Examiners

Prof. Raju Krishna Chalannavar

Chairman

Chairman

Department of Applied Botany

Mangalagangori - 574 199, D.K.

Date: 29/10/2/



This is to certify that this work entitled "PHYTOCHEMICAL SCREENING OF Solanum melongena L. Var. Mattu gulla" submitted by Reg no:193072711, 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.

Guide My M.

Chairman

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

Konaje

Date:



This is to certify that this work entitled "PHYTOCHEMICAL SCREENING OF Batrachospermum sp. AND Nitella sp." submitted by Reg no:193072712, 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.

Krishnahund

Charpersonn

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

Konaje

18-10-2021



This is to certify that this work entitled "STUDY ON PHYTOCHEMICALS AND ANTIBACTERIAL ACTIVITY OF THE LEAF EXTRACTS OF Calycopteris floribunda Lam." submitted by Reg no: 193072713, 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.

Like a America

Chairperson

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

Konaje

Date:



# MANGALORE UNIVERSITY DEPARTMENT OF BOTANY

#### CERTIFICATE

Certified that this is the record of project work titled "STUDY ON PHYTOCHEMICALS

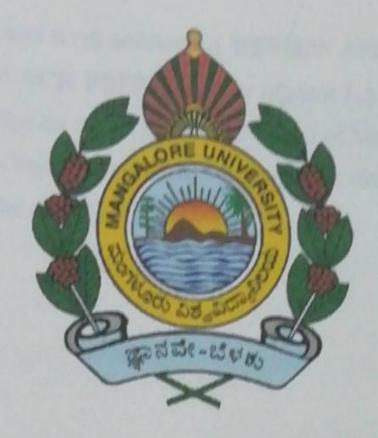
AND ANTIMICROBIAL ACTIVITY OF THE LEAF EXTRACTS OF Strychnos nux-vomica

Linn. carried out by Ms. Divyashree D Maroli (Reg.no 193072716) as a part of the M.Sc. IV semester course in Botany (CBSE - 2020 -21) and submitted to the Department of Botany,

Mangalore University for evaluation.

Chairman

Department of Applied Botany Mangalore University Mangalagangotri - 574 199, D.K. Krishnahmull 30/10/2



This is to certify that this work entitled "A REVIEW AND SURVEY ON MAJOR FUNGAL DISEASES IN BLACK PEPPER (Piper nigrum L.) IN COASTAL REGION OF KARNATAKA" submitted by 193072715, in partial fulfillment for degree of Master of Science in Botany of Mangalore University, contains the review of research findings collected and surveyed 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 the saminers

Mangalore University
Mangalagangotri - 574 199. D.K

Department of Applied Botany

Signature of Supervisor

Dr. Annaiah Ramesh

Department of Applied Botany

Konaje

Date: 18-10-2021



This is to certify that this work entitled "A Study on Seed Health Parameters in Different Varieties of Paddy" submitted by Reg no:193072716, 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.

Guide

Chairman

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

Konaje

Date: 30/10/2021



This is to certify that this work entitled "A SURVEY ON THE DISEASE MANAGEMENT OF FRUIT ROT OF Areca catechu L. IN KASARAGOD DISTRICT OF KERALA" submitted by 193072717, 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.

Mangalagangotri - 574 199, D.K.

Signature of Supervisor

Dr. A Ramesh

Department of Applied Botany

Place: Konaje

Date: 19-10-2021



This is to certify that this work entitled "PHYTOCHEMICAL SCREENING OF Batrachospermum sp. AND Nitella sp." submitted by Reg no:193072718, 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.

Guide

Chairperson
Chairman
Department of Applied Botany
Mangalore University
Mangalagangotri - 574 199, D.K.

Konaje

18-10-2021



This is to certify that this work entitled "A REVIEW AND SURVEY OF IMPORTANT FUNGAL DISEASES IN PADDY, ORYZA SATIVA .L" submitted by 193072719, in partial fulfillment for degree of Master of Science in Botany of Mangalore University, contains the review articles and surveyed 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.

Mangalore University Mangalagangotri - 574 199, D.K.

Signature of Supervisor

Dr. Annaiah Ramesh

Department of Applied Botany

Place :Konaje

Date :18-10-2021

# MANGALORE UNIVERSITY



## DEPARTMENT OF APPLIED BOTANY

#### CERTIFICATE

This is to certify that reg no 193072720 has satisfactorily completed project entitled "study of floral modification in relation to pollen morphology" during the year 2020- 2021, in partial fulfilment of the requirements for the M.Sc degree in botany of Mangalore university.

GUIDE

CHAIRMAN Chairman

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



This is to certify that this work entitled "A STUDY ON EFFECT OF SALINITY STRESS ON GERMINATION AND DIFFERENT GROWTH PARAMETERS IN SEEDS OF Coriandrum sativum L." submitted by Reg. No.: 193072721, in partial fulfilment for degree 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.

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

Signature of Supervisor

Dr. A. Ramesh

Department of Applied Botany

Place: Konaje

Date: 18- 10- 2021



This is to certify that this work entitled "STUDY ON ANTHRACNOSE DISEASE OF COW PEA (VIGNA UNGUICULATA) AND ITS MANAGEMENT" submitted by 193072722 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 them during the course of this work have been duly acknowledged.

Signature of Supervisor

Dr. Raju Krishna Challanavar

Department of Applied Botany

Place: Konaje

Date: 19-10-2021

Department of Springs Botan Mangatore University Mangatorangotri - 574 199, D.K.

# MANGALORE



## UNIVERSITY

(Accredited by NAAC)
M.Sc. Botany Course, Mangalagangotri 574 199

# CERTIFICATE

This is to certify that the dissertation entitled "EVALUATION OF ACUTE ORAL TOXICITY IN METHANOLIC EXTRACT OF LOBELIA NICOTIANIFOLIA ROTH EX SCHULT. LEAF IN WISTAR RATS" submitted to Mangalore University, Mangalagangotri, Mangalore by Reg. No. 193072723, towards partial fulfillment of the Master of Science degree in Botany, is a faithful record of bonafide and original research work carried by her in the academic year 2020-2021.

Place: Mangalagangotri, Konaje

Date: 30-10-2021

Signature of Examiners

Chairman

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



This is to certify that this work entitled "PHYTOCHEMICAL SCREENING OF Solanum melongena L. Var. Mattu gulla" submitted by Reg no: 193072724, 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.

Guide WWZ

Chairperson Chairman

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

Konaje

Date: 29/10/2)



This is to certify that this work entitled "PHYTOCHEMICAL ANALYSIS ON SELECTED ALGAE *Pithophora* sp." submitted by Reg.NO: 193072725 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.

Frishudund Guide 30/10/21

Chairperson
Chairman
Chairman

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

Konaje

Date:



This is to certify that this work entitled "ETHNOBOTANICAL PLANTS FOR TREATMENT OF CANCER AND PARALYSIS" submitted by REG NO: 193072726, in partial fulfilment 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 them during the course of this work have been duly acknowledged.

Signature of Supervisor

Prof. Krishna Kumar G

Department of Applied Botany

Konaje

Date:

Signature of Examiners

MIN CA-RHAN

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



This is to certify that this work entitled "PHYTOCHEMICAL ANALYSIS OF A FRESHWATER ALGAE - Pithophora sp." submitted by RICHA RAMAKANT NAIK (REG. NO:193072727), in partial fulfilment 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.

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Krishnahmull Guide 30/1921

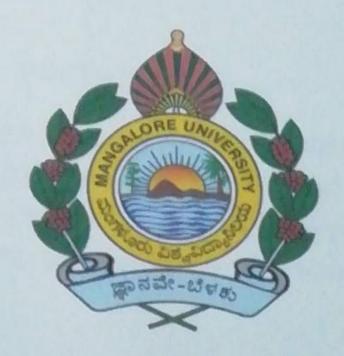
Chairperson

Chairman

Department of Applied Botany

Mangalore University

Mangalagangotri - 574 199, D.K.



This is to certify that this work entitled "PHYTOCHEMICAL ANALYSIS OF LEAF EXTRACT OF Macaranga peltata (Roxb,) Mull. Arg" submitted by 193072728, 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. All sources of help received by them during the course of this work have been duly acknowledged.

Signature of Supervisor

Dr. Raju Krishna Challanavar
Department of Applied Botany

Place; Konaje

Date: 18-10-2021

Signature of Examiners

MEZIMARIA .A.)

Signature of Chairman Chairman

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



This is to certify that this work entitled "STUDY ON PHYTOCHEMICALS AND ANTIBACTERIAL ACTIVITY OF THE LEAF EXTRACTS OF Alstonia scholaris submitted by 193072729 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

Prof. Krishna Kumar G Department of Applied Botany

Konaje

Date: 19-10-2021

Signature of Examiners

Department of Applied Botany

Mangalore University

Mangalagangotri - 574 199, D.K.



This is to certify that this work entitled "PHYTOCHEMICAL ANALYSIS OF LEAF EXTRACT OF Macaranga peltata (Roxb,) Mull. Arg" submitted by 193072731, 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. All sources of help received by them during the course of this work have been duly acknowledged.

Signature of Supervisor

Dr. Raju Krishna Challanavar Department of Applied Botany

Place; Konaje

Date: 18-10-2021

Signature of Examiners

2)

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



This is to certify that this work entitled "A STUDY ON EFFECT OF SALINITY STRESS ON GERMINATION AND DIFFERENT GROWTH PARAMETERS IN SEEDS OF Coriandrum sativum L." submitted by SHRUTHY SADASIVAN, 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 Supervisor

Dr. A. Ramesh

Department of Applied Botany

Place: Konaje

Date: 18- 10- 2021

Mangalore University
Mangalagangotri - 574 199, D.K



This is to certify that this work entitled "A REVIEW AND SURVEY ON MAJOR FUNGAL DISEASES IN BLACK PEPPER (Piper nigrum L.) IN COASTAL REGION OF KARNATAKA" submitted by 193072733, in partial fulfillment for degree of Master of Science in Botany of Mangalore University, contains the review of research findings collected and surveyed 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. Annaiah Ramesh

Department of Applied Botany

Konaje

Date: 18-10-2021

Signature of Examiners

Chairman

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



This is to certify that this work entitled "STUDY ON PHYTOCHEMICALS AND ANTIBACTERIAL ACTIVITY OF THE LEAF EXTRACTS OF Alstonia scholaris submitted by 193072734 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

Prof. Krishna Kumar G

Department of Applied Botany

Konaje

Date: 19-10-2021

Signature of Examiners

MAND CA. RAMESH)

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

## MANGALORE UNIVERSITY



# DEPARTMENT OF APPLIED BOTANY

#### CERTIFICATE

This is to certify that reg.no 193072735 has satisfactorily completed project entitled "study of floral modification in relation to pollen morphology" during the year 2020- 2021, in partial fulfilment of the requirements for the M.Sc degree in botany of Mangalore university.

GUIDE

Chairman

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



This is to certify that this work entitled "ETHNOBOTANICAL PLANTS FOR TREATMENT OF CANCER AND PARALYSIS" submitted by REG NO: 193072736, in partial fulfilment 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 them during the course of this work have been duly acknowledged.

Signature of Supervisor

Prof. Krishna Kumar G

Department of Applied Botany

Konaje

Date:

Signature of Examiners

Chairman
Chairman
Department of Applied Botany

Department of Applied Botany

Mangalagangotri - 574 199, D.K



This is to certify that this work entitled "STUDY OF PHYTOCHEMICAL ANALYSIS ON Melastoma malabathricum L. AND ITS EFFECT ON SEED GERMINATION submitted by Reg no: 193072737, in partial fulfillment for degree of Master of Science in Botany of Mangalore University, Mangalagangotri, contains the result of bonafide research carried out by her at Department of Applied Botany Mangalore University, Mangalagangotri, under my supervision and guidance.

Signature of Supervisor

Prof. Raju Krishna Chalannavar

Department of Applied Botany Chairman

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

Date: 24/10/2021

Signature of Examiners

CA. RAMESM)