



भारतीय कृषि अनुसंधान परिषद
केन्द्रीय समुद्री मात्स्यिकी अनुसंधान संस्थान
[कृषि अनुसंधान एवं शिक्षा विभाग, कृषि मंत्रालय, भारत सरकार]
Indian Council of Agricultural Research

Central Marine Fisheries Research Institute

[Department of Agricultural Research and Education, Ministry of Agriculture, Govt. of India]



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CERTIFICATE

This is to certify that the dissertation entitled "**Genetic identification and phylogenetic status of *Scomberomorus* species from Gujarat**" is an authentic record of the work carried out by **Ms. Afnan. K.** M.Sc. (Biotechnology) student of Department of Biosciences, Mangalore University, Mangalagangothri, Konaje. She has carried out the titled work under my supervision and guidance, in partial fulfilment of the requirement for the degree of Master of Science, under the Faculty of Mangalore University. It is certified that no part of work has been submitted before for any other degree or diploma. Ms. Afnan.K has carried out this project during the period from June 2018 to August 2018.

Major Advisor

Dr. Jeena N.S

Scientist

Marine Biotechnology Division

CMFRI, Cochin

VALUED

Dr. P. Vijayagopal

HOD & Principal Scientist

Marine Biotechnology Division

CMFRI, Cochin



एम. के. मिश्रा पीएच. डी.

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वणिज्य व उद्योग मंत्रालय / Ministry of Commerce & Industry

पौधा जैवटेक्नोलजी प्रभाग

केन्द्रीय कॉफी अनुसंधान का एक एकक
कॉफी बोर्ड

डा. एस. राधाकृष्णन रोड

मानसगंगोत्री, मैसूर - ५७० ००६

Plant Biotechnology Division

Unit of Central Coffee Research Institute

Coffee Board,

Dr. S. Radhakrishnan Road,

Manasagangothri, Mysore - 570 006

Date: 01.08.2018

CERTIFICATE

This is to certify that Ms. ANUSHA H. R. [Reg. No.175114002] of M.Sc. Biotechnology Program, Department of Biosciences, Mangalore University, Mangalagangothri - 574 199, Karnataka has carried out her project work entitled "Tissue Culture and Molecular marker studies in Coffee" under the guidance of Dr. Manoj Kumar Mishra, Divisional Head, Tissue Culture & Biotechnology Division, Coffee Board, Manasagangothri, Mysore from 01-06-2018 to 31-07-2018.

(Dr. MANOJ KUMAR MISHRA)

प्रभागीय प्रधान (पौधा जैवटेक्नोलजी)

कॉफी बोर्ड, डा. एस. राधाकृष्णन रोड,

मानसगंगोत्री, मैसूर-570 006

DIVISIONAL HEAD (Plant Biotechnology)

Coffee Board, Dr. S. Radhakrishnan Road,

Manasagangothri, MYSORE-570 006



Dr. K.R. Sridhar
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Email: kandikere@gmail.com

CERTIFICATE

This is to certify that the dissertation titled "*BIODIVERSITY, NUTRITIONAL AND BIOACTIVE POTENTIAL OF MACROFUNGI OF SCRUB JUNGLES*" submitted by *Dattaraj H.R.* for the partial fulfillment of degree of *Master of Science* in Biotechnology under the Faculty of Science, Mangalore University is based on the results of the experiments carried out by him under my guidance and direct supervision during 2018-2019. I declare that the dissertation or a part thereof has not been the basis for any degree or diploma.

May 06, 2019
Mangalagangothri

 06/05/2019
K.R. Sridhar

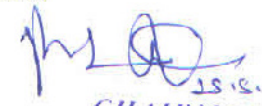
Research Supervisor

Dr. K. R. Sridhar M.Sc., Ph.D.
Professor (Adjunct)
UGC-BSR Faculty Fellow
Department of Biosciences
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Mangalore, Karnataka, India.

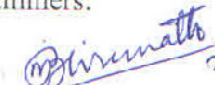
 25/5/19
Dr. Monika Sadananda
Professor and Coordinator
M. Sc. Biotechnology.

M.Sc. Biotechnology Course
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Dr. Prashantha Naik
Chairperson,
Department of Biosciences

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Examiners:

-  27/5/19
-  27/5/19
-



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Department of Plant Biotechnology, GKVK Campus,
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Dr. K. M. Harinikumar

Professor

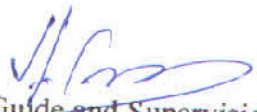
E-mail: harinikm@rediffmail.com

Mobile: 9448832077

CERTIFICATE

This is to certify that **Ms. Divya S (175114004)** studying in Mangalore University, Mangalagangothri for the year 2017-2019 has successfully completed her project work at the Department of Plant Biotechnology, University of Agricultural Sciences, GKVK, Bengaluru with the fulfilment of the requirements of the program from 11th June 2018 to 5th August 2018 on the topic “**Characterization of biocontrol agents against wilt causing *Ralstonia solanacearum* Bacteria**” under my guidance and supervision.

Date: 06.08.2018


Guide and Supervision
Dr. K.M. HARINIKUMAR
Professor
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22.05.2019

CERTIFICATE

This is to certify that the dissertation entitled "**Antiangiogenic, Antioxidant and Matrix metalloproteinase inhibitory activity of *Tinospora cordifolia***" is an authentic record of the work carried out by **Ms. Fathimath Zaeema M.P**, M.Sc. (Biotechnology) student of Department of Biosciences, Mangalore University, Mangalagangothri, Konaje. She has carried out the titled work under my supervision and guidance, in partial fulfilment of the requirement for the degree of Master of Science, under the Faculty of Mangalore University. It is certified that no part of work has been submitted before for any other degree or diploma. Ms. Fathimath Zaeema M.P, has carried out this project during the period from June 2018 to August 2018.

VALUED

Ashwini Prabhu
22/5/19

Major Advisor

Dr. Ashwini Prabhu

Assistant Professor

Yenepoya Research Centre

Rekha P.D.
22/5/2019

Dr. Rekha P.D

Deputy Director

Yenepoya Research Centre

Deputy Director

Yenepoya Research Centre

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Professor

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CERTIFICATE

This is to certify that **Ms. Ghousiya Samreen** (175114006) studying in Mangalore University, Mangalagangothri for the year 2017-2019 has successfully completed her project work at the Department of Plant Biotechnology, University of Agricultural Sciences, GKVK, Bengaluru with the fulfilment of the requirements of the program from 11th June 2018 to 5th August 2018 on the topic **“Isolation and Molecular characterization of *Pseudomonas fluorescence* and its effect on finger millet”** under my guidance and supervision.

Date: 06.08.2018


Guide and Supervision
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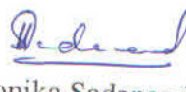
CERTIFICATE

This is to certify that the dissertation titled "*DIVERSITY AND NUTRACEUTICAL VALUE OF MACROFUNGI OF SCRUB JUNGLES*" submitted by Jagadish B.R. for the partial fulfillment of degree of *Master of Science* in Biotechnology under the Faculty of Science, Mangalore University is based on the results of the experiments carried out by him under my guidance and direct supervision during 2018-2019. I declare that the dissertation or a part thereof has not been the basis for any degree or diploma.

Date: May 18, 2019
Mangalagangothri

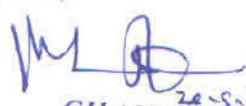
 18/05/2019
K. R. Sridhar

Research Supervisor
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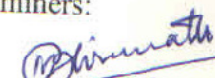
 25/5/19

Dr. Monika Sadananda
Professor and Coordinator
M. Sc. Biotechnology.
Sc. Biotechnology
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Karnataka State, (India)

VALUED

Dr. Prashantha Naik
Chairperson,
Department of Biosciences

CHAIRMAN
Department of Bio-Sciences
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Mangalagangothri-574199
Karnataka State (India)

Examiners:

1.  27/5/19
2. 
27/5/19
3. 

CERTIFICATE

This is to certify that the research work entitled "Separation and quantification of brain monoamines by HPLC" is a bonafide work of Ms. Megha Bhat Agni towards the partial fulfillment of master's degree in Biotechnology of Mangalore University carried out under the guidance of Dr. Monika Sadananda, Professor & Coordinator, M.Sc. Biotechnology Program, Department of Biosciences, Mangalore University, Mangalagangothri. This work is original and has not been submitted in part or full to any other university for any other degree or diploma.

Dr. Monika Sadananda

Professor & Coordinator

M.Sc. Biotechnology Program

Department of Biosciences

Mangalore University, Mangalagangothri.


Dr. Monika Sadananda
Professor
Department of Biosciences
MANGALORE UNIVERSITY

Dr. Prashant Naik

The Chairperson

Department of Biosciences

Mangalore University, Mangalagangothri.


CHAIRMAN
Department of Bio-Sciences
Mangalore University
Mangalagangothri-574199
Karnataka State (India)

Examiners:

1.  27/5/19

2.  27/5/19

VALUED



भा.कृ.अनु.प.-काजूअनुसंधाननिदेशालय (का.अनु.नि)
ICAR-DIRECTORATE OF CASHEW RESEARCH (DCR)

पुत्तुर - 574 202, डी.के., कर्नाटक, भारत
PUTTUR - 574 202, D.K., KARNATAKA, INDIA



Dr. Siddanna Savadi
Scientist

No. NRCC (Biotech)/
Dated: 27/5/2019

CERTIFICATE

This is to certify that the project work entitled "Transferability of mango EST based SSRs and genetic diversity analysis in Cashew (Anacardium occidentale L.)" was duly performed by Ms. Megha V S of II year M. Sc. (Biotechnology) students of Mangalore University, Mangalagangothri, Mangalore under my supervision at ICAR-Directorate of Cashew Research(DCR), Puttur, Dakshina Kannada, Karnataka-574 202, for a period of two month from June 08, 2018 to July 28, 2018. I have no objection for them to add these results in their thesis, submitted in partial fulfilment of the requirements for award of the Master of Sciences (M.Sc.) in Biotechnology from Mangalore University, Mangalagangothri, Mangalore.


(SIDDANNA SAVADI)

Dr. Siddanna Savadi
Scientist (Biotechnology)
ICAR - Directorate of Cashew Research
Puttur - 574 202, D. K. Karnataka
Ph : 08251-231530 Fax : 08251-234350

CERTIFICATE

This is to certify that the research work entitled work "Effect of Ionising Radiation on Waste Water Treatment" is a bonafide work of Ms Paramashree Deepa B. K. (Reg. No. 175114010) towards the partial fulfilment of the Master's degree in Biotechnology of Mangalore University carried out under the guidance of Dr. Monika Sadananda, Professor & Coordinator, MSc Biotechnology, Department of Biosciences, Mangalore University, Mangalagangothri, Mangalore. This work is original and has not been submitted in part or full to any other University for any other degree or diploma.


25/5/19
Dr. Monika Sadananda
Professor -
Department of Biosciences
MANGALORE UNIVERSITY

Dr. Monika Sadananda

Professor & CO-ordinator / Project Guide

Dept. of Biosciences


23.5.19
Chairperson

Dept. of Biosciences

VALUED

Examiners:

1.  27/5/19

2.  27/5/19



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(DEEMED TO BE UNIVERSITY)

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Accredited by NAAC with 'A' Grade

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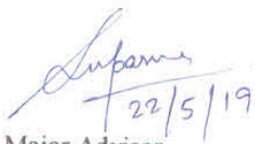
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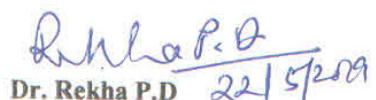
22.05.2019

CERTIFICATE

This is to certify that the dissertation entitled "**Domain Study Of BRCA1 Gene And Its Genetic Profile Alterations In A Small Cohort Of Breast Cancer Patient Population And Extrapolating The Data To Determine The Prevalence Of BRCA1 Mutation**" is an authentic record of the work carried out by **Ms. Pratheeksha P Shetty, M.Sc.** (Biotechnology) student of Department of Biosciences, Mangalore University, Mangalagangothri, Konaje. She has carried out the titled work under my supervision and guidance, in partial fulfilment of the requirement for the degree of Master of Science, under the Faculty of Mangalore University. It is certified that no part of work has been submitted before for any other degree or diploma. Ms. Pratheeksha P Shetty has carried out this project during the period from June 2018 to August 2018.


22/5/19

Major Advisor
Dr. Suparna Laha
Assistant Professor
Yenepoya Research Centre


22/5/2019
Dr. Rekha P.D
Deputy Director
Yenepoya Research Centre

Deputy Director
Yenepoya Research Centre
Yenepoya (Deemed to be University)
Deralakatte, Mangaluru-575018



Institute for Communicative & Cognitive Neurosciences

(Registered under the Society for Rehabilitation of Cognitive & Communicative Disorders, Kerala, India, No.T.460/98)

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CERTIFICATE

This is to certify that the dissertation entitled “Vitamin D receptor gene polymorphism is not associated with serum vitamin D levels among the school children of central Kerala” is an authentic record of the work carried out by **Ms. Rajvi R. Patel**, M.Sc. (Biotechnology) student of Department of Biosciences, Mangalore University, Mangalagangothri, Konaje. She has carried out the titled work under my supervision and guidance, in partial fulfilment of the requirement for the degree of Master of Science, under the Faculty of Mangalore University. It is certified that no part of work has been submitted before for any other degree or diploma. Ms. Rajvi R. Patel has carried out this project during the period from June 2018 to August 2018.

Major Advisor

Dr. Anitha Ayyappan Pillai

Associate Professor

Department of Neurogenetics

ICCONS, Kerala

Dr. Anitha Ayyappan Pillai

Associate Professor

Department of Neurogenetics

Institute for Communicative and Cognitive

Neurosciences (ICCONS)

Shoranur, Kerala - 679 523



MANGALORE

UNIVERSITY

Department of Biosciences
Mangalagangothri-574199
Karnataka, India.

Certificate

This is to certify that the research work entitled “**Acetylcholinesterase, NADPH-Diaphorase Activity and Immediate early gene expression induced by LPS in Bird Brain**” is a bonafide work of **Ms. Sindhu. S (Reg. No. 175114013)** towards the partial fulfilment of the Master’s degree in Biotechnology of Mangalore University carried out under the guidance of **Dr. Monika Sadananda**, Professor and Coordinator, MSc Biotechnology Program, Department of Biosciences, Mangalore University. This work is original and has not been submitted in part or full to any other University for any other degree or Diploma.

Place: Mangalagangothri Karnataka

Date: 25/5/19
M.Sc. Biotechnology
DEPARTMENT OF BIO-SCIENCES
Mangalore University
Mangalagangothri-574199
Karnataka State, (India)

Examiners: 1. Dr. Sindhu S 27/5/15

2. Dr. Monika Sadananda
27/5/19

Dr. Monika Sadananda
Chairman

CHAIRMAN
Department of Bio-Sciences
Mangalore University
Mangalagangothri-574199
Karnataka State (India)

VALUED

CERTIFICATE

This is to certify that the project work entitled "**Molecular characterization of interspecific hybrids and genetic diversity analysis in cashew (*Anacardium occidentale* L.)**"

submitted by **Ms. Sowmya K, Reg. No. 175114014** of II year M. Sc. (Biotechnology)

Mangalore University PG centre, Mangalagangothri, in the partial fulfillment for the award of degree of the Master of Sciences in Biotechnology, is bonafied record of the work carried out under the guidance of **Dr. Siddanna Savadi** Scientist at ICAR-Directorate of Cashew

Research(DCR), Puttur, Dakshina Kannada, Karnataka-574 202, for a period of two month from June 08, 2018 to July 07, 2018.

Siddanna Savadi 25/5/19
Co-ordinator
M.Sc. Biotechnology Course
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Examiner 1 : Pravin Math 27/5/19

Examiner 2 : Siddanna Savadi 27/5/19

VALUED



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AN AUTONOMOUS INSTITUTE UNDER GOVERNMENT OF KERALA

CERTIFICATE

This is to certify that the dissertation entitled “CYP2R1 SNP rs10741657 is not associated with vitamin D levels in Kerala population” is an authentic record of the work carried out by **Ms. Yashashwini**, M.Sc. (Biotechnology) student of Department of Biosciences, Mangalore University, Mangalagangothri, Konaje. She has carried out the titled work under my supervision and guidance, in partial fulfilment of the requirement for the degree of Master of Science, under the Faculty of Mangalore University. It is certified that no part of work has been submitted before for any other degree or diploma. **Ms. Yashashwini** has carried out this project during the period from June 2018 to July 2018.

Major Advisor

Dr. Anitha Ayyappan Pillai

Associate Professor

Department of Neurogenetics

ICCONS, Kerala

Dr. Anitha Ayyappan Pillai
Associate Professor
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