



Mangalore

University

DEPARTMENT OF BIOSCIENCES

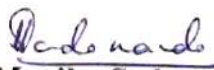
MANGALAGANGOTRI – 574199

CERTIFICATE

This is to certify that the project entitled **ACTION OF BRAUN LIPOPROTEIN-LIKE MOLECULE ON MICROGLIAL AND SPLENIC LYMPHOCYTES ACTIVATION** submitted by **Ms. Abhina K** under the guidance of **Dr. Monika Sadananda** towards the partial fulfilment of **M.Sc. degree in Biosciences** contains the result of the genuine project work carried out by her during the academic year 2021-2022. I declare that this dissertation or a part there of has not been the basis for any degree or diploma.

Place: Mangalagangotri

Date: 10/10/2022

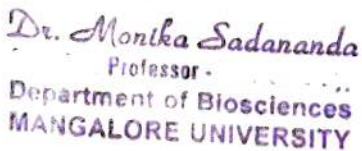

Dr. Monika Sadananda

Professor

Department of Biosciences

Mangalore University

Mangalagangotri


Dr. Monika Sadananda
Professor -
Department of Biosciences
MANGALORE UNIVERSITY


Dr. Chandra M

Chairperson

Department of Biosciences

Mangalore University

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Department of Biosciences
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Karnataka State (India)



MANGALORE UNIVERSITY

DEPARTMENT OF BIOSCIENCES MANGALAGANGOTTHRI-

574199

**COMPARATIVE ANALYSIS AND PHYSIO-CHEMICAL
PARAMETERS OF POND WATER SAMPLES FROM
NARAHARIPARVATA, BANTWAL**

*A PROJECT DISSERTATION REPORT SUBMITTED TO MANGALORE UNIVERSITY
IN*

*PARTIAL FULFILMENT FOR THE DEGREE OF MASTER OF SCIENCE IN
BIOSCIENCES*

PAPER CODE: BSP 557

By

CHANDAN.P

Reg. No: 201611384108

Under the Guidance of

Dr. KARAMCHAND KISHORE S. M.Sc. Ph. D.

**Lecturer, Department of Biosciences
Mangalore University, Mangalagangothri**

2021-2022



Dr. Sharath Chandra K.
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CERTIFICATE

This is to certify that, the dissertation titled "Isolation and characterisation of certain endophytic fungi isolated from the sterilized stem bark and pod samples of *Senna alata* (L.) Roxb." submitted by *Diona Leonil Dsouza* for the partial fulfillment of degree of *Master of Science in Biosciences* under the Faculty of Science, Mangalore University is based on the results of the experiments carried out by her under my guidance and direct supervision during 2021-2022. I declare that the dissertation or a part there of has not been the basis for any degree or diploma.

October 07, 2022
Mangalagangothri

Dr. Sharath Chandra K.
Project Guide

Examiners:

1.

2.

Chairperson
CHAIRPERSON
Department of Biosciences
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Mangalagangothri 574 199
Karnataka State (India)



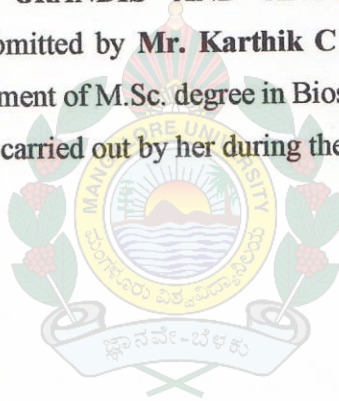
MANGALORE UNIVERSITY
DEPARTMENT OF BIOSCIENCES
Mangalagangothri-574199

CERTIFICATE

This is to certify that the project entitled "**IDENTIFICATION OF FUNGAL PATHOGENS ISOLATED FROM COCCINIA GRANDIS AND ANTIFUNGAL ACTIVITY OF BULARRHENA PUBESCENS**" submitted by **Mr. Karthik C H** under the guidance of **Dr. Chandra M.** towards the partial fulfilment of M.Sc. degree in Biosciences (IV semester) contains the result of the genuine project work carried out by her during the academic year 2021-2022.

Place: Mangalagangothri

Date: 12/10/2022



Guide

Prof. Chandra M

Chairperson,

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Dr. Karamchand Kishore
Guest Faculty
Department of Biosciences
Mangalore University
Mangalagangothri-574199
Mangalore, India

CERTIFICATE

This is to certify that, the dissertation titled **“COMPARATIVE ANALYSIS OF PHYSIO-CHEMICAL PARAMETERS OF SELECTED POND WATER SAMPLES IN AND AROUND KASARAGOD DISTRICT, INDIA”** submitted by **Ms. Maithri.A.R** for the partial fulfilment of degree of *Master of Science in Biosciences* under the Faculty of Science, Mangalore University is based on the result of the experiments carried out by her during 2021-2022. I declare that the dissertation or a part thereof has not been the basis for any degree or diploma.

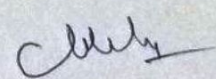
October 12, 2022
Mangalagangothri


Dr Karamchand Kishore
Project Guide

Examiners:

1.

2.


Dr Chandra M

Chairperson
CHAIRPERSON
Department of Biosciences
Mangalore University
Mangalagangothri 574 199
Karnataka State (India)



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Department of Biosciences

Mangalagangothri-574199

CERTIFICATE

This is to certify that the project entitled “**NUTRACEUTICAL PROPERTIES, HEMOLYTIC ACTIVITY AND ACUTE TOXICITY STUDY IN ZEBRAFISH OF UNCONVENTIONAL LEGUME, CANAVALIA ROSEA OF COASTAL SAND DUNES OF INDIA**” submitted by **Mr. AKSHAY V** under the guidance of **Dr. LAVEENA K. B.**, towards the partial fulfilment of M.Sc. degree in Biosciences (IV semester) contains the result of the genuine project work carried out by her during the academic year 2021-2022.

Place: Mangalagangothri

Date: 07.10.2022

Laveena
Dr. Laveena K B,
Lecturer &
Project Guide
Department of Biosciences

Examiners: 1.

2.

Chandra M
Prof. Chandra M
Chairperson,
Department of Biosciences
CHAIRPERSON

Department of Biosciences
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Mangalagangothri 574 199
Karnataka State (India)



MANGALORE UNIVERSITY

Department of Biosciences

Mangalagangothri-574199

CERTIFICATE

This is to certify that the project entitled "**A POTENT PHARMACOLOGICAL MACROFUNGUS: GANODERMA Sps.**" submitted by **Ms. Anusha S** under the guidance of **Dr. LAVEENA K. B**, towards the partial fulfilment of M.Sc. degree in Biosciences (IV semester) contains the result of the genuine project work carried out by her during the academic year 2021-2022.

Place: Mangalagangothri

Date: 12/10/2022

Laveena.

Dr. Laveena K B,

Lecturer &

Project Guide

Department of Biosciences

Examiners: 1.

2.

[Signature]
Prof. Chandra M

Chairperson,

Department of Biosciences

CHAIRPERSON

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Mangalagangothri 574 199

Karnataka State (India)



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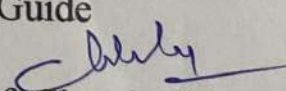
CERTIFICATE

This is to certify that the project entitled “**PHARMACOGNOSTIC, PHYTOCHEMICAL AND ANTIOXIDANT PROPERTIES OF THE STROBILANTHUS KUNTHIANA**” submitted by **Ms. APEKSHA SUVARNA M** under the guidance of Dr. **Chandra M**, towards the partial fulfilment of M.sc. degree in Biosciences (IV semester) contains the result of the genuine project work carried out by her during the academic year 2021-2022.

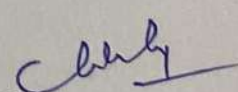
Place: Mangalagangothri

Date: 12.10.2022

Guide


Prof. Chandra M

Chairperson,
Department of Biosciences


Chairperson

Department of biosciences

CHAIRPERSON

Department of Biosciences

Mangalore University

Mangalagangothri 574 199

Karnataka State (India)



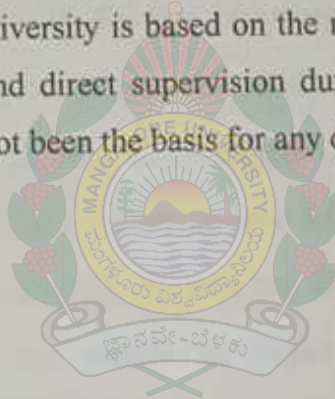
Dr. Sharath Chandra K.
Lecturer
Department of Biosciences
Mangalore University
Mangalagangothri 574 199

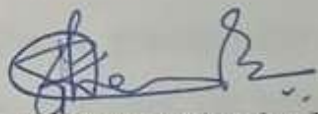
Email: sharathkondandoor@gmail.com

CERTIFICATE

This is to certify that, the dissertation titled "Quality assessment of vermiwash generated from agrowastes as hydroponics growth medium through plant bioassay" submitted by *Ashwini* for the partial fulfillment of degree of *Master of Science in Biosciences* under the Faculty of Science, Mangalore University is based on the results of the experiments carried out by her under my guidance and direct supervision during 2021-22. I declare that, the dissertation or a part there of has not been the basis for any degree or diploma.

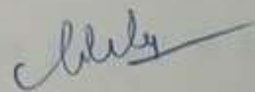
October 11, 2022
Mangalagangothri




Dr. Sharath Chandra K.
Project Guide

Examiners:

- 1.
- 2.


Chairperson
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Department of Biosciences
Mangalagangothri-574199

CERTIFICATE

This is to certify that the project entitled **"COMPARATIVE ANALYSIS OF WATER SAMPLES FROM FIVE DIFFERENT SOURCE: KASARAGOD DISTRICT, KERALA"** submitted by **Ms. Chaithrashree A P** under the guidance of **Dr. LAVEENA K. B**, towards the partial fulfilment of M.Sc. degree in Biosciences (IV semester) contains the result of the genuine project work carried out by her during the academic year 2021-2022.

Place: Mangalagangothri

Date: 10.10.2022

Laveena

Dr. Laveena K B,
Lecturer &
Project Guide
Department of Biosciences

Chandra M

Prof. Chandra M
Chairperson,
Department of Biosciences

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Karnataka State (India)

Examiners: 1.

2.



MANGALORE UNIVERSITY

Department of Biosciences

Mangalagangothri-574199

CERTIFICATE

This is to certify that the project entitled **“A WONDER GIFT TO MEDICAL SCIENCE: COFFEA ARABICA AND COFFEA ROBUSTA, ITS PHARMACOLOGICAL ACTIVITIES.”** submitted by **Ms. Chandana K S** under the guidance of **Dr. LAVEENA K. B**, towards the partial fulfilment of M.Sc. degree in Biosciences (IV semester) contains the result of the genuine project work carried out by her during the academic year 2021-2022.

Place: Mangalagangothri

Date: 07.10.2022

Laveena.

Dr. Laveena K B,
Lecturer &
Project Guide
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Chandra M
Prof. Chandra M
Chairperson,
Department of Biosciences
CHAIRPERSON

Department of Biosciences
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Karnataka State (India)

Examiners: 1.

2.



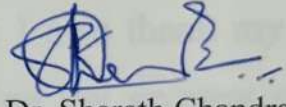
Dr. Sharath Chandra K
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CERTIFICATE

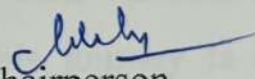
This is to certify that, the dissertation titled “**Dynamics of endophytic fungi in *Senna alata* (L.) Roxb. from the coastal region of Dakshina Kannada**” submitted by **Deepika K. H.** for the partial fulfillment of degree of *Master of Science in Biosciences* under the Faculty of Science, Mangalore University is based on the results of the experiments carried out by her under my guidance and direct supervision during 2021-2022. I declare that the dissertation or a part there of has not been the basis for any degree or diploma.

October 08, 2022
Mangalagangothri


Dr. Sharath Chandra K.
Project Guide

Examiners:

- 1.
- 2.


Chairperson
CHAIRPERSON
Department of Biosciences
Mangalore University
Mangalagangothri 574 199
Karnataka State (India)



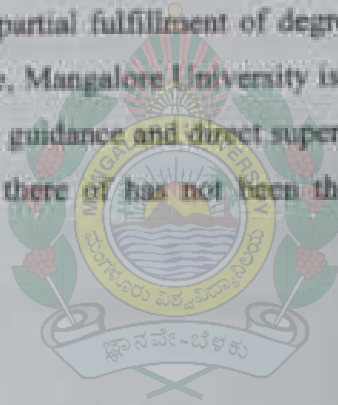
Dr. Sharath Chandra K
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Department of Biosciences
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Mangalagangothri 574 199
Mangalore, India

Email: sharathkondandoor@gmail.com

CERTIFICATE

This is to certify that, the dissertation titled "Quality assessment of hermiwash
ained from biowastes as hermiponics medium on the growth of *Vigna unguiculata*
submitted by Devika C.H. for the partial fulfillment of degree of Master of Science in
sciences under the Faculty of Science, Mangalore University is based on the results of the
periments carried out by her under my guidance and direct supervision during 2021-2022. I
clare that, the dissertation or a part thereof has not been the basis for any degree or
 diploma.

October 30, 2022
Mangalagangothri




Dr. Sharathchandra K
Project guide

aminers:

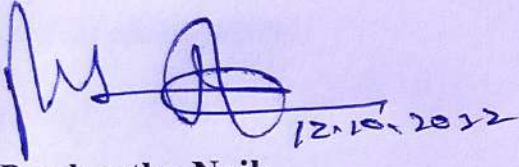

Chair person
CHAIRPERSON
Department of Biosciences
Mangalore University
Mangalagangothri 574 199
Karnataka State (India)

CERTIFICATE

This is to certify that the project entitled Study on the production of vermicompost using garden waste and it's effects on a plant growth submitted by **Ms. Dhanyashree B. K** under the guidance of **Dr. Prashantha Naik** towards the partial fulfilment of **M.Sc. degree in Biosciences** contains the result of the genuine project work carried out by her during the academic year 2021-2022. I declare that this dissertation or a part there of has not been the basis for any degree or diploma.

Place: Mangalagangothri

Date: 18-10-2022

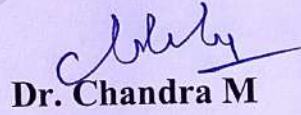


Dr. Prashantha Naik

Professor

Department of Biosciences

Mangalore University, Mangalagangothri



Dr. Chandra M

Chairperson

Department of Biosciences

CHAIRPERSON

Department of Biosciences

Mangalore University

Mangalagangothri 574 199

Karnataka State (India)

CERTIFICATE

This is to certify that, the dissertation titled **A study on compost produced from black soldier fly *HERMITIA ILLUCENS* (L.)** submitted by Ms. Jayashree for the partial fulfillment of degree of *Master of Science in Biosciences* under the Faculty of Science, Mangalore University is based on the results of the experiments carried out by her under my guidance and direct supervision during 2021-2022. I declare that the dissertation or a part thereof has not been the basis for any degree or diploma.

October 12, 2022
Mangalagangothri



Dr. Prashantha naik.
Project Guide

Examiners:

1.

2.

Dr. Chandra M

Chairperson
CHAIRPERSON
Department of Biosciences
Mangalore University
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Karnataka State (India)



Mangalore

University

DEPARTMENT OF BIOSCIENCES

MANGALAGANGOTRI – 574199

CERTIFICATE

This is to certify that the project entitled **GREEN SYNTHESIS, CHARACTERIZATION AND EVALUATION OF MANGANESE OXIDE NANOPARTICLES AS ANTICANCER AGENTS FOR LUNG CANCER** submitted by **Ms. Mahida Vaseem** under the guidance of **Dr. Ashwini Prabhu** towards the partial fulfilment of **M.Sc. degree in Biosciences** contains the result of the genuine project work carried out by her during the academic year 2021-2022. I declare that this dissertation or a part thereof has not been the basis for any degree or diploma.

Place: Mangalagangotri

Date:

Ashwini Prabhu

Dr. Ashwini Prabhu

Assistant Professor

Yenepoya Research Centre

Yenepoya(Deemed to be university)

Dr. Chandra M

Dr. Chandra M

Chairperson

Department of Biosciences

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Department of Biosciences

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Mangalagangothri 574 199

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Dr. Karamchand Kishore S.
Guest Faculty
Department of Biosciences
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CERTIFICATE

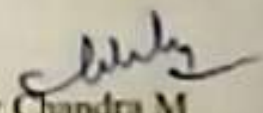
This is to certify that, the dissertation titled "**PURITY EVALUATION OF MARKET SAMPLES OF TURMERIC POWDER**" submitted by **Ms. Nishad Saida Banu** for the partial fulfilment of degree of *Master of Science in Biosciences* under the Faculty of Science, Mangalore University is based on the result of the experiments carried out by her during 2021-2022. I declare that the dissertation or a part thereof has not been the basis for any degree or diploma.

October 12, 2022
Mangalagangothri


Dr. Karamchand Kishore S.
Project Guide

Examiners:

1.


Dr Chandra M

2.

Chairperson
CHAIRPERSON
Department of Biosciences
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Mangalagangothri 574 199
Karnataka State (India)



MANGALORE UNIVERSITY

Department of Biosciences

Mangalagangothri-574199

CERTIFICATE

This is to certify that the project entitled **"COMPARATIVE ANALYSIS OF BORE WATER SAMPLES FROM FOUR DIFFERENT SOURCE: DAKSHINA KANNADA DISTRICT, KARNATAKA"** submitted by Ms. **Nishmitha K.S** under the guidance of **Dr. LAVEENA K. B**, towards the partial fulfilment of M.Sc. degree in Biosciences (IV semester) contains the result of the genuine project work carried out by her during the academic year 2021-2022.

Place: Mangalagangothri

Date: 10.10.2022

Laveena

Dr. Laveena K B,
Lecturer &
Project Guide
Department of Biosciences

Examiners: 1.

2.

Chandra M
Prof. Chandra M
Chairperson,
Department of Biosciences
CHAIRPERSON
Department of Biosciences
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Karnataka State (India)



Dr. Karamchand Kishore S.
Guest Faculty
Department of Biosciences
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Mangalagangothri-574199
Mangalore, India

CERTIFICATE

This is to certify that, the dissertation titled **"MEDICINAL PLANTS IN AND AROUND, MANGALAGANGOTRI, KONAJE AND PILIKULA NISARGHADHAMA, MANGALORE, DAKSHINA KANNADA"** submitted by **PRASHANTH ROCKY FERNANDES** for the partial fulfilment of degree of *Master of Science in Biosciences* under the Faculty of Science, Mangalore University is based on the result of the experiments carried out by her during 2021-2022. I declare that the dissertation or a part thereof has not been the basis for any degree or diploma.

October 12, 2022
Mangalagangothri


Dr. Karamchand Kishore S.
Project Guide

Examiners:

1.

2.


Dr Chandra M.

CHAIRPERSON
Department of Biosciences
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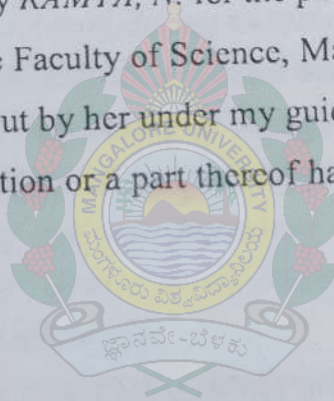
Dr. K.R. Sridhar
Adjunct Professor
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Mangalore, India

Phone: +91 824 2287 261
Email: kandikere@gmail.com

CERTIFICATE

This is to certify that the dissertation titled “*STUDIES ON THE AQUATIC HYPHOMYCETES AND LEAF LITTER DECOMPOSITION IN A CAVE STREAM OF SOUTHWEST INDIA*” submitted by *RAMYA, N.* for the partial fulfillment of degree of *Master of Science in Biosciences* under the Faculty of Science, Mangalore University is based on the results of the experiments carried out by her under my guidance and direct supervision during 2021-22. I declare that the dissertation or a part thereof has not been the basis for any degree or diploma.

September 09, 2022
Mangalagangothri



K.R. Sridhar

Research Supervisor

Dr. K. R. Sridhar M.Sc., Ph.D.
Professor
JGC-BSR Faculty Fellow
Department of Biosciences
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MANGALAGANGOTTHRI-574 199,
Mangalore, Karnataka, India.

Chairperson
CHAIRPERSON.

Department of Biosciences
Mangalore University
Mangalagangothri 574 199
Karnataka State (India)

Examiners

1.

2.

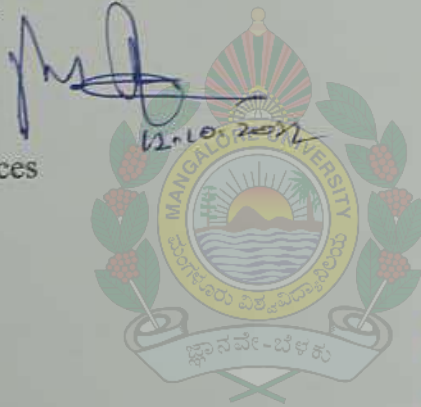
CERTIFICATE

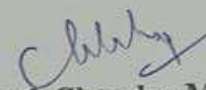
This is to certify that the project entitled effect of soil salinization and plant growth-*Vigna radiata* L. submitted by Ms. Reshmitha.D. S under the guidance of Dr. Prashantha Naik towards the partial fulfilment of M.Sc. degree in Biosciences contains the result of the genuine project work carried out by her during the academic year 2021-2022. I declare that this dissertation or a part there of has not been the basis for any degree or diploma.

Place: Mangalagangothri

Date: 12/10/2022

Dr. Prashanth Naik
Professor
Department of Biosciences
Mangalore University
Mangalagangothri




Prof. Chandra M.
Chairperson
Department of Biosciences
Mangalore University

Mangalagangothri
CHAIRPERSON
Department of Biosciences
Mangalore University
Mangalagangothri 574 199
Karnataka State (India)



MANGALORE UNIVERSITY

Department of Biosciences
Mangalagangothri-574199

CERTIFICATE

This is to certify that the project entitled “**QUALITY ANALYSIS AND ISOLATION OF MICROORGANISMS AFTER PRODUCTION OF WINE FROM DIFFERENT FRUIT SAMPLES.**” Submitted by **Mr. Sharath** under the guidance of **Dr. CHANDRA M.** towards the partial fulfilment of M.Sc. degree in Biosciences (IV semester) contains the results the genuine project work carried out by him during the academic year 2021-2022.

Place: Mangalagangothri

Date: 12/10/2022

Guide

Prof. Chandra M

Chairperson,

Department of Biosciences

Chairperson

Department of biosciences

CHAIRPERSON

Department of Biosciences
Mangalore University
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Karnataka State (India)



Mangalore

University

DEPARTMENT OF BIOSCIENCES

MANGALAGANGOTRI – 574199

CERTIFICATE

This is to certify that the project entitled **EFFECT OF BACTERIAL BLP-LIKE MOLECULE ON BIOCHEMICAL AND IMMUNOLOGICAL MEASURES IN WISTAR RATS** submitted by **Ms. Shilpashree N** under the guidance of **Dr. Monika Sadananda** towards the partial fulfilment of **M.Sc. degree in Biosciences** contains the result of the genuine project work carried out by her during the academic year 2021-2022. I declare that this dissertation or a part thereof has not been the basis for any degree or diploma.

Place: Mangalagangotri

Date: 10/10/22

Dr. Monika Sadananda

Professor

Department of Biosciences

Mangalore University, Mangalagangotri

Dr. Monika Sadananda

Professor -

Department of Biosciences
MANGALORE UNIVERSITY

Dr. Chandra M

Chairperson

Department of Biosciences

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Department of Biosciences

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Mangalagangothri 574 199

Karnataka State (India)



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Department of Biosciences
Mangalagangothri-574199

CERTIFICATE

This is to certify that the project entitled “**COMPARATIVE ANALYSIS OF POND WATER SAMPLES FROM THREE DIFFERENT SOURCE: DAKSHINA KANNADA DISTRICT, KARNATAKA**” submitted by **Ms. Sushmitha** under the guidance of **Dr. LAVEENA K. B.**, towards the partial fulfilment of M.Sc. degree in Biosciences (IV semester) contains the result of the genuine project work carried out by her during the academic year 2021-2022.

Place: Mangalagangothri

Date: 11-10-2022

Laveena.

Dr. Laveena K B,
Lecturer &
Project Guide
Department of Biosciences

Chandra M
Prof. Chandra M
Chairperson,
Department of Biosciences

Examiners: 1.

2.



MANGALORE UNIVERSITY
Department of Biosciences
Mangalagangothri-574199

CERTIFICATE

This is to certify that the project entitled **"BIOCHEMICAL CHARACTERIZATION OF PROBIOTIC BACTERIA FROM ENERGY DRINK"** submitted by **Ms. VEDA NAIR** under the guidance of **Dr. CHANDRA M**, towards the partial fulfilment of M.sc. degree in Biosciences (IV semester) contain the result of the genuine project work carried out by her during the academic year 2021-2022.

Place: Mangalagangothri

Date: 12.10.2022

Guide

Prof. Chandra M

Chairperson,

Department of Biosciences

Chairperson

Department of biosciences

CHAIRPERSON

Department of Biosciences

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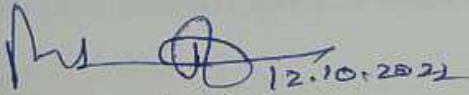
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CERTIFICATE

This is to certify that the project entitled *A study on Soil Salinization and Some Fertility Factors* by Ms. Yakshitha K. under the guidance of Dr. Prashantha Naik towards the partial fulfilment of M.Sc. degree in Biosciences contains the result of the genuine project work carried out by her during the academic year 2021-2022. I declare that this dissertation or a part thereof has not been the basis for any degree or diploma.

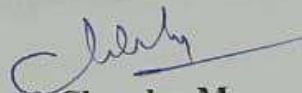
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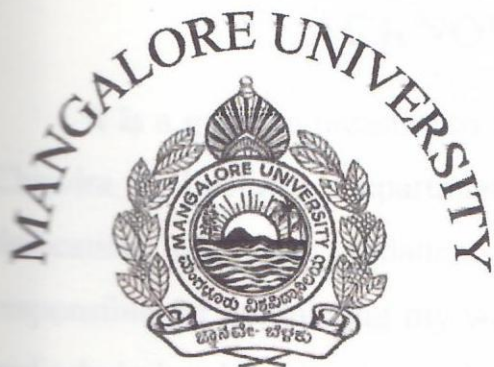
Date: 12-10-2022

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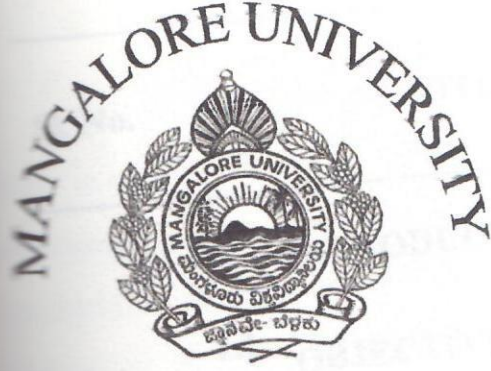
This is to certify that, the dissertation titled "**Production and quality assessment of four organic composts through plant bioassay**" submitted by **Nithin Raj** for the partial fulfillment of degree of *Master of Science in Biosciences* under the Faculty of Science, Mangalore University is based on the results of the experiments carried out by him under my guidance and direct supervision during 2021-2022. I declare that the dissertation or a part thereof has not been the basis for any degree or diploma.

October 08, 2022
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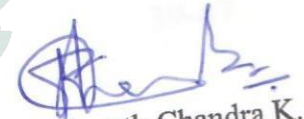


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This is to certify that, the dissertation titled "Distribution pattern of freshwater algae and cyanobacteria in the lateritic cave streams of Dakshina Kannada" submitted by **Thirisha Rai G.** for the partial fulfillment of degree of *Master of Science in Biosciences* under the Faculty of Science, Mangalore University is based on the results of the experiments carried out by her under my guidance and direct supervision during 2021-2022. I declare that the dissertation or a part there of has not been the basis for any degree or diploma.


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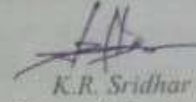
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This is to certify that the dissertation titled "*STUDIES ON THE FRESHWATER HYPHOMYCETES IN TWO COASTAL STREAMS OF SOUTHWEST INDIA*" submitted by *TEJASWI* for the partial fulfillment of degree of *Master of Science in Biosciences* under the Faculty of Science, Mangalore University is based on the results of the experiments carried out by her under my guidance and direct supervision during 2021-22. I declare that the dissertation or a part thereof has not been the basis for any degree or diploma.

September 09, 2022
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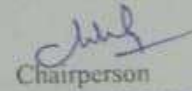

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This is to certify that the project entitled **BACTERIAL BRAUN LIPOPROTEIN-LIKE MOLECULE-INDUCED ULTRASONIC VOCALISATIONS IN WISTAR RATS** submitted by **Ms. Amritha V. Samant** under the guidance of **Dr. Monika Sadananda** towards the partial fulfilment of **M.Sc. degree in Biosciences** contains the result of the genuine project work carried out by her during the academic year 2021-2022. I declare that this dissertation or a part thereof has not been the basis for any degree or diploma.

Place: Mangalagangotri

Date: 10/10/22

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