



MANGALORE UNIVERSITY

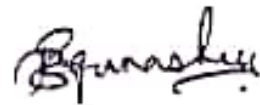
Department of Studies and Research in Microbiology Mangalore
University Jnana Kaveri P.G Centre, Chikka Aluvana, Kodagu

CERTIFICATE

This is to certify that Mr. Nithesh S Shetty, 4th semester, M.Sc. Microbiology, Mangalore University has satisfactorily completed the project work entitled "Cultivation of Oyster mushroom (*Pleurotus ulmarius*) using different agri-based substrates" in partial fulfilment for the award of degree in Master of Science in Microbiology affiliated to Mangalore University, during the academic year 2021-2022. The project work has been approved as it satisfies the academic requirements with respect to the project work proscribed for M.Sc. degree.

Place: Chikka Aluvana

Date: 30/9/2022

A handwritten signature in black ink, likely of the Chairperson, is written over the logo.

Signature of Chairperson
CHAIRMAN

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvana-571232, Kodagu, India

MANGALORE UNIVERSITY

Department of Studies and Research in Microbiology
Jnana Kaveri Campus, ChikkaAluvara,
Kodagu-571232

CERTIFICATE

This is to certify that Mr. **KEERTHAN KUMAR K** IV Semester, M.Sc. Microbiology, Mangalore University has satisfactorily completed the project work entitled "**CHARACTERIZATION OF ENDOPHYTIC BACTERIA FROM *Piper betel***" in partial fulfilment of the requirements for the award of degree in Master of Science in Microbiology affiliated to Mangalore University, during the academic requirements in respect of the project work prescribed for the M.Sc. degree.

Place: Chikkaaluvara

Date: 30/09/2022



Signature of Chairperson
CHAIRMAN

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India

MANGALORE UNIVERSITY



**Department of Studies and Research in Microbiology
Jnana Kaveri Campus, Chikka Aluvara,
Kodagu-571232**

CERTIFICATE

This is to certify that **Ms. MONIKA. K. R** IV Semester, M.Sc. Microbiology, Mangalore University has satisfactorily completed the project work entitled "*Cystobasidium minutum (Rhodotorula minuta)* Secondary Metabolites Production Using Various Agro-Industrial Wastes" in partial fulfilment of the requirements for the award of degree in Master of Science in Microbiology from Mangalore University.



Place: Chikka Aluvara

Date: 30/09/2022

**Signature of Chairman
CHAIRMAN**

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India

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UNIVERSITY

Department of Studies and Research in Microbiology

Jnana Kaveri Campus, Chikka Aluvara, Kodagu

CERTIFICATE

This is to certify that Ms. KAVYA H.R 4th semester, M.Sc. Microbiology, Mangalore University has satisfactorily completed the project work entitled "Isolation and characterization of endophytic bacteria from *Cassia tora*" in partial fulfillment for the awarded of degree in Master of Science in Microbiology affiliated to Mangalore University, during the academic year 2021-2022. The project work has been approved as it satisfies the academic requirements with respect to the project work prescribed for M.Sc degree.

Chairperson
CHAIRMAN

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India

Place: Chikka Aluvara

Date: 30/9/22

MANGALORE



UNIVERSITY

**Department of Studies and Research in Microbiology Jnana
Kaveri P.G Centre Chikka Aluvara, Kodagu.**

CERTIFICATE

This is to certify that the dissertation entitled "**BIOMEDICAL APPLICATIONS OF
ENDOPHYTIC BACTERIA OF OCIMUM PLANTS**" is an authentic recorded of the
research work done by **Mr. GANESH N S**, 4th semester, year 2022 MS.c Microbiology
under my guidance at department of Studies and Research in Microbiology, Jnana
Kaveri, P.G Centre Chikka Aluvara, Kodagu from June 2022 to September 2022 towards
the partial fulfilment for the award of Degree of Master of Science in Microbiology. It is
also certified that this work has not previously formed the basis for the Award of any
other Degree or Diploma to any other candidate in any other university.



B. Ganesh

Place: Chikka Aluvara

Date: 30-9-2022

Department of Microbiology

Mangalore University

Jnana Kaveri, P.G Centre

Chikka Aluvara, Kodagu.

CHAIRMAN

Department of Microbiology

Mangalore University Post Graduate Centre

Chikka Aluvara-571232, Kodagu, India

85 + 98505 11 2265 6100



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**Department of Studies and Research in Microbiology Jnana
Kaveri P.G Centre Chikka Aluvana, Kodagu.**

CERTIFICATE

This is to certify that the dissertation entitled "STUDIES ON ENDOPHYTIC BACTERIA FROM EPIPHYTIC ORCHIDS OF *Mangifera indica* AND *Murraya koenigii*." is an authentic recorded of the project research work done by Ms. APARNA K bearing reg no 203111400102 4th semester, year 2022 M.Sc Microbiology under my guidance at department of Studies and Research in Microbiology, Jnana Kaveri, P.G Centre Chikka Aluvana, Kodagu from June 2022 to September 2022 towards the partial fulfillment for the award of Degree of Master of Science in Microbiology. It is also certified that this work has not previously formed the basis for the Award of any other Degree or Diploma to any other candidate in any other university.

Place: Chikka Aluvana

Date: 30-09-2022

Department of Microbiology

Mangalore University

Jnana Kaveri, P.G Centre

[Signature] 30/09/2022
Chikka Aluvana, Kodagu.

CHAIRMAN

Department of Microbiology

Mangalore University Post Graduate Centre

Chikka Aluvana-571232, Kodagu, India



MANGALORE UNIVERSITY
Department of Studies and Research in Microbiology
Jnana Kaveri Campus, Chikka Aluvara,
Kodagu-571232

CERTIFICATE

This is to certify that Ms. MOKSHITHA. K. V., IV Semester, M.Sc. Microbiology, Mangalore University has satisfactorily completed the project work entitled "ANTIOXIDANT AND ANTIMICROBIAL POTENTIAL OF RAW AND DEFATTED FERMENTED SESAME SEEDS" in partial fulfilment of the requirements for the award of degree in Master of Science in Microbiology affiliated to Mangalore University, during the academic year 2021-2022.



Place: Chikka Aluvara

Date: 30/09/2022

Signature of Chairperson
CHAIRMAN

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India

MANGALORE



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Department of Studies and Research in Microbiology

Jnana Kaveri Campus, Chikka Aluvara, Kodagu

CERTIFICATE

This is to certify that Ms. SHWEETHA G.B. 4th semester, M.sc. Microbiology, Mangalore University has satisfactorily completed the project work entitled "Isolation and characterization of endophytic bacteria from *Muntingia calabura*" in partial fulfillment for the award of degree in Master of Science in Microbiology affiliated to Mangalore University, during the academic year 2021-2022. The project work has been approved as it satisfies the academic requirements with respect to the project work prescribed for M.Sc degree.

Chairperson
CHAIRMAN

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India

Place Chikka Aluvara

Date 30-09-2022

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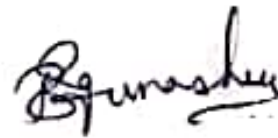
**Department of Studies and Research in Microbiology
Jnana Kaveri Campus, Chikka Aluvara,
Kodagu- 571232**

CERTIFICATE

This is to certify that **Ms. VASUDHA S. BHAT** IV Semester, M.Sc. Microbiology, Mangalore University has satisfactorily completed the project work entitled "Screening of Cellulase producing bacteria and its Biodegradation analysis" in partial fulfilment of the requirements for the award of degree in Master of Science in Microbiology affiliated to Mangalore University, during the academic requirements in respect of the project work prescribed for the M.Sc. degree.

Place: Chikka Aluvara

Date: 30/07/2022



**Signature of Chairperson
CHAIRMAN**

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India

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**Department of Studies and Research in Microbiology Jnana
Kaveri P.G Centre, Chikka Aluvara, Kodagu**

CERTIFICATE

This is to certify that the thesis entitled "ISOLATION AND CHARACTERIZATION OF PROBIOTIC BACTERIA FROM WILD FRUITS" is an authentic record of the department project work done by Ms CHAITHRASHREE (MSc. Microbiology, 4th semester 2022) under the guidance of Dr I K MANJULA, Assistant Professor, Department of Studies and Research in Microbiology Jnana Kaveri P. G Centre, Mangalore University, Chikka Aluvara, Kodagu for the award of Degree of Master of Science in Microbiology. It is also certified that this work has not been submitted for any Degree or Diploma earlier.

Place Chikka Aluvara

Date 20/10/2022

CHAIRPERSON

Department of Microbiology

Mangalore University

Jnana Kaveri, P.G Centre,

Chikka Aluvara Kodagu.

CHAIRMAN

**Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India**

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**DEPARTMENT OF STUDIES AND RESEARCH IN MICROBIOLOGY,
JNANA KAVERI P.G. CENTRE, CHIKKA ALUVARA, KODAGU.**

Dr. B.S. GUNASHREE

Chairperson

CERTIFICATE

This is to certify that the dissertation entitled "ISOLATION AND CHARACTERIZATION OF ACTINOMYCETES FROM COMPOST SOIL" is bonafide record of the work done by Ms. Pooja K.P. This is an authentic record of the research carried out under the guidance and supervision of **Dr. I.K. MANJULA.**, Assistant professor, Department of studies and Research In Microbiology, Mangalore University, P G Centre, Chikka Aluvara, Kodagu, For towards partial fulfillment for the award of master of science in Microbiology. The results of this project work have not been submitted for any other degree of diploma earlier.

Place : Chikka Aluvara

Date : 30/9/2022

**DR. B.S. GUNASHREE
CHAIRMAN**

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India



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**Department of Studies and Research in Microbiology Jnana
Kaveri P.G Centre Chikka Aluvara, Kodagu.**

CERTIFICATE

This is to certify that the project work entitled "BIOLOGICAL EFFECTIVENESS OF
ENDOPHYTIC FUNGI ASSOCIATED WITH *OCIMUM* PLANT SPECIES," is an
authentic record of the research work done by **Ms. CHANDINI L. MOGER**, 4th semester,
year **2022** M.Sc Microbiology under the guidance of **Prof. M. Jayashankar** at department
of Studies and Research in Microbiology, Jnana Kaveri, P.G Centre Chikka Aluvara, Kodagu
from **June 2022** to **September 2022** towards the partial fulfillment for the award of Degree of
Master of Science in Microbiology. It is also certified that this work has not previously formed
the basis for the Award of any other Degree or Diploma to any other candidate in any other
university.

Chairperson

Place: Chikka Aluvara

Date: 30/09/22

Department of Microbiology

P.G. Centre, Mangalore University

**Chikka Aluvara, Kodagu
CHAIRMAN**

**Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India**

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Department of Studies and Research in Microbiology

Jnana Kaveri P.G Campus, Chikka Aluvara, Kodagu

CERTIFICATE

This is to certify that Ms.Thejaswini B.R, 4 th Semester, M.Sc. Microbiology, Mangalore University has satisfactorily completed the project work entitled "Isolation and growth standardization of probiotic bacteria for bioactivity" in partial fulfillment of the requirements for the award of degree in Master of Science in Microbiology affiliated to Mangalore University, during the academic requirements in respect of the project work prescribed for the M.Sc. degree.



Place: Chikka aluvara

Date: 30/09/2022

**Chairperson
CHAIRMAN**

**Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara 571232, Kodagu, India**

MANGALORE UNIVERSITY



Department of Studies and Research in Microbiology Mangalore
University P. G Centre, Chikka Aluvara, Kodagu.

CERTIFICATE

This is to certify that Ms. Nairuthya K.V 4th semester, M.Sc. Microbiology, Mangalore University has satisfactorily completed the project work entitled "Isolation and screening of tannase producing fungi from different natural sources " in partial fulfilment for the award of degree in Master of Science in Microbiology affiliated to Mangalore University, during the academic year 2021-2022. The project work has been approved as it satisfies the academic requirements with respect to the project work prescribed for M Sc degree.

Place: Chikka Aluvara

Date: 30/09/22



Signature of the Chairman
CHAIRMAN

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India



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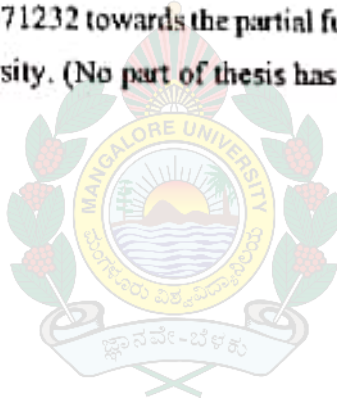
MANGALORE UNIVERSITY POST GRADUATE CENTRE, JNANA KAVERI
CAMPUS, DEPARTMENT OF STUDIES AND RESEARCH IN MICROBIOLOGY
KODAGU-571232

CERTIFICATE

This is to certify that Mr. CHETHANDAS K. G, Reg No 20311400106 M.sc Microbiology have undertaken a project entitled "CHARACTERIZATION OF ENDOPHYTIC FUNGI FROM *PIPER BETLE* AND THEIR BIOLOGICAL ACTIVITY." Carried out at Mangalore University Post Graduate Centre, Jnana Kaveri Campus, Department of Studies and research in Microbiology Kodagu - 571232 towards the partial fulfilment of the Master's degree in Microbiology, Mangalore University. (No part of thesis has been presented for the awards of any other degree or diploma)

Place: Chikka aluvara

Date: 30- 9-2020



Chairman

Department Of Microbiology

Mangalore University

Jnana Kaveri , P.G Centre

Chikka Aluvara, Kodagu

CHAIRMAN

Department of Microbiology

Mangalore University Post Graduate Centre

Chikka Aluvara-571232, Kodagu, India

MANGALORE UNIVERSITY



**Department of Studies and Research in Microbiology
Jnana Kaveri Campus, Chikka Aluvana,
Kodagu-571232**

CERTIFICATE

This is to certify that Ms. DISHA IV Semester, M.Sc. Microbiology, Mangalore University has satisfactorily completed the project work entitled "Effect of different carbon sources on volatile fatty acid production by lactic acid bacterial strains" in partial fulfilment of the requirements for the award of degree in Master of Science in Microbiology from Mangalore University.



Place: Chikka Aluvana

Date: 30/9/2022

**Signature of Chairman
CHAIRMAN**

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvana-571232, Kodagu, India

MANGALORE **UNIVERSITY**

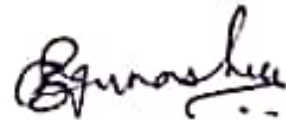
**Department of Studies and Research in Microbiology
Jnana Kaveri Campus, Chikka Aluvara,
Kodagu-571232**

CERTIFICATE

This is to certify that Ms. Paavana K.S 4th semester, M.Sc. Microbiology, Mangalore University has satisfactorily completed the project work entitled "Solid state fermentation for Tannase production by *Aspergillus niger* using various substrates" in partial fulfilment for the award of degree in Master of Science in Microbiology affiliated to Mangalore University, during the academic year 2021-2022. The project work has been approved as it satisfies the academic requirements in respect of the project work prescribed for the M.Sc degree.

Place: Chikka Aluvara

Date: 30/09/2022



**Signature of Chairman
CHAIRMAN**

**Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India**

MANGALORE UNIVERSITY

Department of Studies and Research in Microbiology
Jnana Kaveri P.G Campus, Chikka Aluvara, Kodagu- 571232

Dr.B.S Gunashree

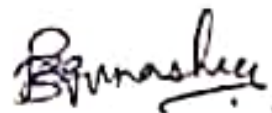
08276-276471

Chairman

CERTIFICATE

This is to certify that Ms. HIMA .P.H IV Semester, M.Sc. Microbiology, Mangalore University has satisfactorily completed the project work entitled "STUDY ON PHYTOCHEMICAL ANALYSIS, ANTIMICROBIAL ACTIVITY AND BIOFERTILIZER EFFECT OF *Azolla-anabaena*" under my guidance towards the partial fulfilment of requirements for the award of Master of Science in Microbiology to the Mangalore University, during 2021-2022.

The results of this project work has not been submitted for any other degree or diploma earlier.



Dr. B.S Gunashree
CHAIRMAN

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India

Place: Chikka Aluvara

Date: 30-09-2022



MANGALORE

UNIVERSITY

DEPARTMENT OF STUDIES AND RESEARCH IN MICROBIOLOGY

JNANA KAVERI P.G. CAMPUS, CHIKKA ALUVARA, KODAGU

Dr. B.S. Gunashree

08276- 276471

Chairman

CERTIFICATE

This is to certify that the dissertation entitled "EVALUATION OF COFFEE ENDOPHYTES FOR BIOREMEDIATION OF HEAVY METALS AND ANTIMICROBIAL ACTIVITY" is bonafide record of the research work done by Ms. NIDHI V. PRABHU, IV Semester year 2022, M.Sc. Microbiology. This is an authentic record of the research carried out under the guidance and supervision of Dr. A.K. VINU, Faculty, Department of Studies and Research In Microbiology, Mangalore University, Jnana Kaveri P.G. Centre Chikka Aluvara for partial fulfilment for award of Master of Science in Microbiology.

The results of this project work has not been submitted for any other degree or diploma earlier,

Place: Chikka Aluvara

Date: 30-09-2022

Dr. B.S. Gunashree
CHAIRMAN

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara 571732, Kodagu, India

MANGALORE



UNIVERSITY

**Department of Studies and Research in Microbiology Jnana Kaveri
P.G Centre Chikka Aluvara, Kodagu.**

CERTIFICATE

This is to certify that the dissertation entitled "ENDOPHYTIC FUNGI ASSOCIATED WITH EPIPHYTIC ORCHIDS AND THEIR BIOLOGICAL ACTIVITIES." is an authentic record of the research work done by Ms. VAMSHIKA M.T, 4th semester, year 2022 MSc Microbiology under my guidance at department of Studies and Research in Microbiology, Jnana Kaveri, P.G Centre Chikka Aluvara, Kodagu from June 2022 to September 2022 towards the partial fulfillment for the award of Degree of Master of Science in Microbiology. It is also certified that this work has not previously formed the basis for the Award of any other Degree or Diploma to any other candidate in any other university.

Place: Chikka Aluvara

Date: 30/09/22

Department of Microbiology

Mangalore University

Jnana Kaveri, P.G Centre

Chikka Aluvara, Kodagu.
CHAIRMAN

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India

MANGALORE **UNIVERSITY**

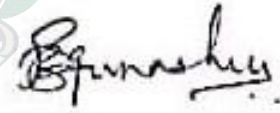
**Department of Studies and Research in Microbiology Jnana Kaveri
P.G Centre, Chikka Aluvara, Kodagu**

CERTIFICATE

This is to certify that the thesis entitled "ISOLATION AND STUDIES ON MARINE FUNGI" is an authentic record of the department project research work done by Mr. HULIGESHA V (MSc. Microbiology 4th semester 2022), under the guidance of Dr. I K MANJULA, Assistant Professor, Department of Studies and Research in Microbiology Jnana Kaveri P. G Centre, Mangalore University, Chikka Aluvara, Kodagu for the award of Degree of Master of Science in Microbiology. It is also certified that this work has not been submitted for any Degree or Diploma earlier.

Place: Chikka Aluvara

Date: 30-09-2022


CHAIRPERSON,

Department of Microbiology

Mangalore University

Jnana Kaveri, P.G Centre,

Chikka Aluvara Kodagu.
CHAIRMAN

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India

MANGALORE UNIVERSITY

Department of Studies and Research in Microbiology

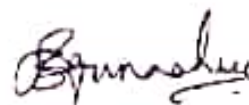
Jnana Kaveri Campus, Chikka Aluvara, Kodagu

CERTIFICATE

This is to certify that the dissertation entitled "**ANTIMICROBIAL POTENTIAL OF DIFFERENT EXTRACTS OF *Mimosa pudica* PLANT**" is bonafied record of the work done by Ms AMALA VIPIN. This is an authentic record of the project carried out under the guidance of Dr. B. S. GUNASHREE., Chairperson, Department of Microbiology, Mangalore University, PG Centre Chikka Aluvara, Kodagu. For towards partial, fulfilment for the award of Master of Science in Microbiology. The results of this project work have not been submitted for any other degree or diploma earlier.

Place: Chikka Aluvara

Date: 30/09/22



Signature of the Chairperson
CHAIRMAN

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India

Mangalore University

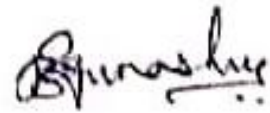
Department of Studies and Research in Microbiology
Jnana Kaveri Campus, Chikka Aluvara,
Kodagu-571232

CERTIFICATE

This is to certify that Ms. Yashodha B Betageri 4th semester, M.Sc. Microbiology, Mangalore University has satisfactorily completed the project work entitled "Isolation and characterization of endophytic bacteria from *Musa acuminata*" in partial fulfilment for the award of degree in Master of Science in Microbiology affiliated to Mangalore University, during the academic year 2021-2022. The project work has been approved as it satisfies the academic requirements in respect of the project work prescribed for the M.Sc degree.

Place: Chikka Aluvara

Date: 30/9/2022



Signature of Chairman
CHAIRMAN

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India

MANGALORE UNIVERSITY



**Department of Studies and Research in Microbiology
Jnana Kaveri Campus, Chikka Aluvara,
Kodagu-571232**

CERTIFICATE

This is to certify that Ms. Srujana P. L., IV Semester, M.Sc. Microbiology, Mangalore University has satisfactorily completed the project work entitled "Avocado Seed Extract- An Alternative Treatment for Skin infections in Humans and Domestic Animals" in partial fulfilment of the requirements for the award of degree in Master of Science in Microbiology from Mangalore University.



Place: Chikka Aluvara

Date: 30/09/2022

**Signature of the Chairman
CHAIRMAN**

**Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India**

MANGALORE



UNIVERSITY

Department of Studies and Research in Microbiology

Jnana Kaveri Campus, PG Centre, Chikka Aluvara, Kodagu.

Dr B S Gunashree

08276-276471

Chairman

CERTIFICATE

This is to certify that the dissertation entitled "**A STUDY ON GROWTH PROMOTING FACTORS OF FREE NITROGEN FIXING BACTERIA**". Is a bonafide record of the research work done by **Mr. NYZIL WILSON PINTO-IV** Semester year 2022, This is authentic record of the research carried out under the guidance and supervision of **Dr. AK VINU** at Department of Studies and Research in Microbiology, Jnanakaveri, P.G Center Chikka Aluvara.

The result of this project work has not been submitted for any other degree or diploma earlier.

Place: Chikka Aluvara

Date: 15-09-2022

Dr B S Gunashree
CHAIRMAN

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India

MANGALORE



UNIVERSITY

Department of Studies and Research in Microbiology

Jnana Kaveri Campus, Chikka Aluvara, Kodagu.

Dr. GUNASHREE .B.S

08276-276471

CHAIRPERSON

CERTIFICATE

This is to certify that the dissertation entitled "**ANTIBACTERIAL STUDIES OF *Colocasia esculenta* ON FOOD BORNE PATHOGENS**" is bonafide record of the work done by **Ms. DEEPIKA.K.P.** This is an authentic record of the research carried out under the guidance of **Dr. VINU.A.K.**, Department of Studies and Research in Microbiology, Mangalore University, P.G.Centre Chikka Aluvara.

The work has not been submitted for any other degree or diploma earlier.

Place: Chikka Aluvara

Date: 30-09-2022

Dr. Gunashree.B.S
CHAIRMAN

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India

MANGALORE UNIVERSITY

DEPARTMENT OF STUDIES AND RESEARCH IN MICROBIOLOGY

JNANA KAVERI P.G CENTRE, CHIKKA ALUVARA, KODAGU.

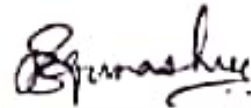
CERTIFICATE

This is to certify that the dissertation entitled "**Microbial and Nutritional Quality of Oyster Mushroom Cultivated on Different Agrowastes through SSF**" is bonafide record of the work done by **Ms. VARSHINI B H**, IV Semester MSc. Microbiology. This is an authentic record of the research carried out under the guidance and supervision of **Dr. A K VINU**., Faculty, Department of studies and Research in Microbiology, Mangalore University, P G Centre, Chikka Aluvara, Kodagu. For towards the partial fulfilments for the award of **Master of Science in Microbiology** in Mangalore University, during 2021-2022.

The results of this project work have not been submitted for any other degree of diploma earlier.

Place: Chikka Aluvara

Date: 30/09/2022



Dr. B. S GUNASHREE

CHAIRPERSON
CHAIRMAN

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India

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DEPARTMENT OF STUDIES AND RESEARCH IN MICROBIOLOGY
JNANA KAVERI P.G CAMPUS, CHIKKA ALUVARA, KODAGU

08276- 276471

Dr. B S Gunashree
Chairman

CERTIFICATE

This is to certify that the dissertation entitled "ISOLATION OF PIGMENTED YEAST FROM DIFFERENT NATURAL SOURCES" is bonafide record of the research work done by Ms. VIDYASHABADA. M This is an authentic record of the research carried out under the guidance and supervision of Dr. A K VINU, Faculty, Department of Studies and Research in Microbiology, Mangalore University, Jnanakaveri P.G Center Chikka Aluvara.

The results of this project work has not been submitted for any other degree or diploma earlier.

Dr. B S Gunashree
CHAIRMAN

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India

Place: Chikka Aluvara

Date: 16-09-2022

MANGALORE



UNIVERSITY

Department of Studies and Research in Microbiology
Jnana Kaveri Campus, Chikka Aluvara, Kodagu

Dr. B S Gunashree

08276-276471

Chairman

CERTIFICATE

This is to certify this project work entitled " **A COMPARATIVE STUDY OF PHYSICO CHEMICAL AND MICROBIAL PARAMETERS OF WINE PREPARED FROM DIFFERENT SUBSTRATE** is an authentic record of the research work done by **K K Ashritha-IV Semester** Year 2022, under the guidance of **Dr A K Vinu**, P.G. Department of studies and Research in Microbiology, Mangalore University, Chikka Aluvara, from March 2022, September 2022 towards partial fulfilment for the awarded of Degree of Master Science in Microbiology

It is also certified that this work has not previously formed the basis for the Award of any Degree or Diploma to any other candidate in any other University.

Place: Chikkaluvara

Dr. B S Gunashree
CHAIRMAN

Date: 30-9-2022

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India

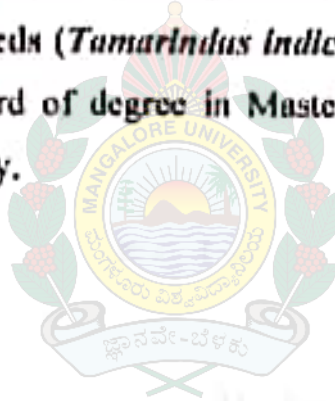
MANGALORE UNIVERSITY



**Department of Studies and Research in Microbiology
Jnana Kaveri Campus, Chikka Aluvara,
Kodagu-571232**

CERTIFICATE

This is to certify that Ms. POOJA. D. M., IV Semester, M.Sc. Microbiology, Mangalore University has satisfactorily completed the project work entitled "Effect of Microbial Fermentation on Polysaccharide of Fermented Tamarind seeds (*Tamarindus indica*)" in partial fulfilment of the requirements for the award of degree in Master of Science in Microbiology from Mangalore University.



Place: Chikka Aluvara

Date: 30/09/22

**Signature of the Chairperson
CHAIRMAN**

**Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India**



MANGALORE UNIVERSITY

Department of Studies and Research in Microbiology

Jnana Kaveri P.G Campus, Chikka Aluvara, Kodagu-571232

CERTIFICATE

This is to certify that the thesis entitled "SCREENING FOR INDUSTRIAL IMPORTANT ENZYMES FROM MANGROVE SOIL *ACTINOMYCETES*" is an authentic record of the department project research work done by Mr. C L SUBRAMANI (MSc. Microbiology 4th semester 2022), under the guidance of Dr. I K MANJULA, Assistant Professor, Department of Studies and Research in Microbiology Jnana Kaveri P. G Centre, Mangalore University, Chikka Aluvara, Kodagu for the award of Degree of Master of Science in Microbiology. It is also certified that this work has not been submitted for any Degree or Diploma earlier.

Place: Chikka Aluvara

Date: 30/09/2022

CHAIRPERSON,

Department of Microbiology

Mangalore University

Jnana Kaveri, P.G Centre,

Chikka Aluvara Kodagu
30/09/2022
CHAIRMAN

Department of Microbiology

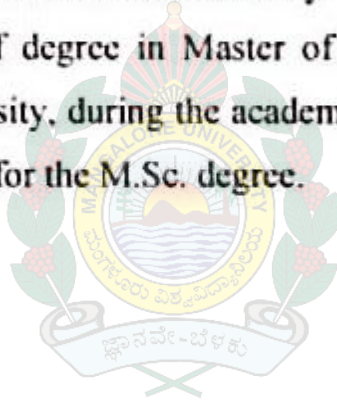
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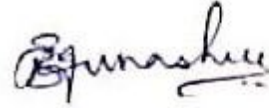
CERTIFICATE

This is to certify that Ms. Greeshma Gangamma K.K, 4th Semester, M.Sc. Microbiology, Mangalore University has satisfactorily completed the project work entitled "Comparative study of *Lantana* species by Phytochemical analysis and Antimicrobial activity" in partial fulfilment of the requirements for the award of degree in Master of Science in Microbiology affiliated to Mangalore University, during the academic requirements in respect of the project work prescribed for the M.Sc. degree.



Place: Chikka Aluvara

Date: 30/9/22

A handwritten signature in black ink, appearing to read "B. Gunasheela".

Signature of Chairperson
CHAIRMAN

Department of Microbiology
Mangalore University Post Graduate Centre
Chikka Aluvara-571232, Kodagu, India