MANGALORE UNIVERSITY

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M.Sc. Biochemistry Programme, Mangalagangothri 574 199

CERTIFICATE

This is to certify that the dissertation entitled "***Evaluation of the neuroprotective activity of glycyrrhizic acid in the cellular model of Parkinson's disease***" submitted to Mangalore University, Mangalore by **Ms. Akshatha Shenoy K (Reg. No. 203591383101)**, under the guidance of Dr.Anitha Nagaraju , towards partial fulfillment of the Master of Science degree in Biochemistry, is a faithful record of bona fide and original research work carried by her in the academic year 2021-2022.

Research Guide

Coordinator

Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

Place: Mangalagangothri

Date: 16-09-2022

EXAMINERS:

EXAMINER

1) 10.09.2022

2) 10/09/2022

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MANGALORE UNIVERSITY

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M.Sc. Biochemistry Programme, Mangalagangothri 574 199

CERTIFICATE

is to certify that the dissertation entitled "***Evaluation of the antidiabetic activity of ...galanga leaf extracts using Drosophila as a model system***" submitted to Mangalore ...sity, Mangalore by **Mr. Amritesh S (Reg. No. 203591383102)**, under the guidance ...Avinash Kudva K, towards partial fulfillment of the Master of Science degree in ...emistry, is a faithful record of bona fide and original research work carried by him in ...demic year 2021-2022.

Research Guide

Coordinator

Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

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...: 16-09-2022

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10.10.2022

10/10/2022

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MANGALORE UNIVERSITY

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M.Sc. Biochemistry Programme, Mangalagangothri-574199

CERTIFICATE

This is to certify that the dissertation entitled **"Comparitive study of antioxidant as well as antibacterial potential of *pterocarpus marsupim* Robx plant and its endophytic fungus *Aspergillus* "** submitted to Mangalore University, Mangalore by **Ms. Amshumala B.L (Reg. No. 208591383103)**, under the guidance of Professor Chandrashekar.G.Joshi, Coordinator Department of Biochemistry , is a faithful record of bona fide and original project work carried out by her in the academic year 2021-2022.

Project Guide

Place: Mangalagangothri

Date:

Coordinator

Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

Date of Examination:

EXAMINERS: 1).....

2).....

10.10.2022.

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10/10/2022

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MANGALORE UNIVERSITY

(Accredited by NAAC with 'A' Grade)
M.Sc. Biochemistry Course, Mangalagangothri-574199

CERTIFICATE

This is to certify that the dissertation entitled "**Preparation and evaluation of wine from pineapple (*Ananas comosus)* and pomegranate (*Punica granatum).***"* submitted to Mangalore University, Mangalore by **Ms. Anjali S. (Reg. No. 203591383104)**, under the guidance of Dr. Anitha Nagaraju., towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bona fide and original research work carried by her in the academic year 2021-2022.

Research Guide

Place: Mangalagangothri
Date: 16-09-2022

Coordinator

Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

EXAMINER

EXAMINERS:

1)..... 1. ..... 10.10.2022

2)..... 2. ..... 10/10/2022

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M.Sc. Biochemistry Programme, Mangalagangothri-574199

CERTIFICATE

This is to certify that the dissertation entitled "***Synthesis of Silver Nanoparticles from Papaya peel and its Antibacterial properties against Human Pathogens***" submitted to Mangalore University, Mangalore by **Ms.ANUSHA.P (Reg.No. 203591383105)**, under the guidance of Dr. Anithamagaraj towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bona fide and original research work carried by her in the academic year 2020-2022.

Project Guide

Coordinator
Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

Place: Mangalagangothri
Date: 16-09-2022

EXAMINERS:

1. ..... 10.10.2022
2. ..... 10/10/2022

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MANGALORE UNIVERSITY

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M.Sc. Biochemistry Course, Mangalagangothri-574199

CERTIFICATE

This is to certify that the dissertation entitled "**Green synthesis, characterisation and evaluation of anticancer activity of manganese oxide nanoparticles on lung adenocarcinoma cells**" submitted to Mangalore University, Mangalore by **Ms. Anusha S.** (Reg. No.**203591383106**), under the guidance of Dr. Anitha Nagaraju towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bonafide and original research work carried by her in the academic year 2021-2022.

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M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

Place: Mangalagangothri

Date: 16-09-2022

EXAMINERS:

1. ..... 10.10.2022

2. ..... 10/10/2022

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M.Sc. Biochemistry Course, Mangalagangothri-574199

CERTIFICATE

This is to certify that the dissertation entitled "**DETERMINATION OF OGD – INDUCED CYTOTOXICITY IN CULTURED ASTROCYTES"** submitted to Mangalore University, Mangalore by **Ms. Ashwini (Reg. No.203591383107)**, under the guidance of Ms. Anusha towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bonafide and original research work carried by him in the academic year 2021-2022.

Anusha

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Place: Mangalagangothri

Date: 16-09-2022

Coordinator

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M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
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EXAMINERS:

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1. ..... 10. 10. 2022

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M.Sc. Biochemistry Programme, Mangalagangothri-574199

CERTIFICATE

This is to certify that the dissertation entitled "***In vitro* study on antidiabetic potential of flax seed(*Linum usitatissimum*) and sesame seed(*Sesamum indicum*) extract via inhibition of α-amylase and α-glucosidase activity**" submitted to Mangalore University, Mangalore by **Ms. Aishwitha Montherio M (Reg. No. 203591383108)** under the guidance of **Ms. Anusha**, towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of Bonafede and original research work carried by her in the academic year 2021-2022.

Project Guide

Coordinator
Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

Place: Mangalagangothri
Date: 16-09-2022

EXAMINERS:

1. .....

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EXAMINER
1. ..... 10.10.2022
2. ..... 10/10/2022
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MANGALORE UNIVERSITY

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M.Sc. Biochemistry Programme, Mangalagangothri 574 199

CERTIFICATE

This is to certify that the dissertation entitled "**Study on phytochemical screening, antioxidant assay, cytotoxic evaluation and wound healing property of *Chromolaena odorata* leaf extract**" submitted to Mangalore University, Mangalore by **Mrs.Dhanyashree.A (Reg. No. 20[illegible]383109)**, under the guidance of Ms. Anusha , towards partial fulfillment of the Master of Science degree in Biochemistry, is a faithful record of bona fide and original research work carried by her in the academic year 2021-2022.

Project Guide

Coordinator

Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

Place: Mangalagangothri

Date: 16-09-2022

EXAMINER

EXAMINERS:

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1. ..... 10.10.2022

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M.Sc. Biochemistry Programme, Mangalagangothri-574 199

CERTIFICATE

This is to certify that the dissertation entitled ***"Purification and Characterization of cytoplasmic L-asparaginase of pantoea piersonii YU22 using pET28a (+) over expression system"*** submitted to Mangalore University, Mangalore by **Ms. Krithika (Reg. No.:2019913831110)**, under the guidance of Ms. Anusha towards the partial fulfilment of the master of science degree Biochemistry, is a faithful record of bona fide and original research work carried by her in the academic year 2021-2022.

Research Guide

Coordinator

Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

Place: Mangalagangothri

Date: 16-09-2022

EXAMINERS:

1. ..... 10.10.2022

2. ..... 10/10/2022

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MANGALORE UNIVERSITY

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CERTIFICATE

This is to certify that the dissertation entitled "**Purification and characterization of L-glutaminase of *Pantoea piersonii* YU22 by using pET-28a(+) over expression system**" submitted to Mangalore University, Mangalore by **Ms. Malathi.D (Reg. No. 203591383111)**, under the guidance of **Ms. Anusha**, towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bonafide and original project work carried by her the academic year 2021-2022.

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Place: Mangalagangothri
Date: 06-09-2022

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Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

EXAMINERS:

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1. ..... 10.10.2022

2. ..... 10/10/2022

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M.Sc. Biochemistry programme, Mangalagangothri-574199

CERTIFICATE

This is to certify that the dissertation entitled" **Antioxidant potential of sesame(*Sesamum indicum*) and flax seed(*Linium usitatissimum*) and Assessement of genoprotective role of sesame seed extract against H_2O_2 induced genotoxicity in cultured human lymphocyte"** submitted to Mangalore University, Mangalore by **Ms Megha B (Reg. No. 203591383112)** under the guidance of **Ms. Anusha**, towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bonafide and original research work carried by her in the academic year 2021-22.

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M.Sc. in Biochemistry
Mangalore University
Mangalagangothri 574 199
Mangalore D.K.

Place: Mangalagangothri
Date: 16/09/2022

EXAMINER

EXAMINERS:

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M.Sc. Biochemistry Programme, Mangalagangothri 574 199

CERTIFICATE

This is to certify that the dissertation entitled **"Isolation and characterization of protease from the leaves of *chromolaena odorata*"** submitted to Mangalore University, Mangalore by Miss Netravati C Patil **(Reg. No. 203591383113)**, under the guidance of Dr. Anitha Nagaraju towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bona fide and original research work carried by her in the academic year 2021-2022.

Research Guide

Coordinator

Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri 574 199
Dakshina Kannada Dt.

Place: Mangalagangothri
Date: 16-09-2022

Examiners

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1. ..... 10.10.2022

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M.Sc. Biochemistry Programme, Mangalagangothri-574199

CERTIFICATE

This is to certify that the dissertation entitled "**Neuroprotective role of *Bacopa monnieri* in Rotenone-induced Parkinson's disease model**" submitted to Mangalore University, Mangalore by **Ms. RACHITHA (Reg. No. 203591383114)**, under the guidance of Dr.Chandrashekar G. Joshi towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bonafide and original research work carried by him in the academic year 2021-2022

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Coordinator

Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

Place: Mangalagangothri

Date: 16-09-2022

EXAMINERS:

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1. ……10.10.2022

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(Accredited by NAAC)
M.Sc. Biochemistry Programme, Mangalagangothri 574 199

CERTIFICATE

This is to certify that the dissertation entitled **"Isolation, characterization and biocontrol potential of chitinase enzyme from *Aspergillus niger*"** submitted to Mangalore University, Mangalore by **Mr. Rakshith (Reg. No. 203591383115)**, under the guidance of **Dr. Niveditha N.R.** towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bonafide and original research work carried by him in the academic year 2021-2022.

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Coordinator

Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

Place: Mangalagangothri
Date: 16-09-2022

Examiners

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1. ..... 10.10.2022

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MANGALORE UNIVERSITY

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M.Sc. Biochemistry Programme, Mangalagangothri 574 199

CERTIFICATE

This is to certify that the dissertation entitled "**Evaluation of phytochemical profiles, *in vitro* antioxidant and anti-inflammatory activities of *Terminalia catappa***" submitted to Mangalore University, Mangalore by **Ms. Rashmitha (Reg. No. 203591383116)**, under the guidance of Dr. Avinash Kudva K, towards partial fulfillment of the Master of Science degree in Biochemistry, is a faithful record of bona fide and original research work carried by her in the academic year 2020-2022.

Research Guide

Coordinator

Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

Place: Mangalagangothri

Date: 16-09-2022

EXAMINERS:

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1. ..... 10.10.2022

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(Accredited by NAAC)

M.Sc. Biochemistry Programme, Mangalagangothri 574 199

CERTIFICATE

This is to certify that the dissertation entitled "***Evaluation of the antidiabetic activity of Bacopa monnieri leaf extract using Drosophila as a Model Organism***" submitted to Mangalore University, Mangalore by **Ms. Rashmitha (Reg. No. 203591383117),** under the guidance of Dr. Avinash Kudva K, towards partial fulfillment of the Master of Science degree in Biochemistry, is a faithful record of bona fide and original research work carried by her in the academic year 2021-2022.

Research Guide

Coordinator

Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

Place: Mangalagangothri

Date: 16-09-2022

EXAMINERS:

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1. ..... 11.10.2022

2. ..... 11/10/2022

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MANGALORE UNIVERSITY

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M.Sc. Biochemistry Programme, Mangalagangothri 574 199

CERTIFICATE

This is to certify that the dissertation entitled "*Cytotoxic evaluation and efficacy of Premna serratifolia L. extract as an insect repellent against Drosophila melanogaster*" submitted to Mangalore University, Mangalore by **Mr. Sandeepa K.N (Reg. No. 20SP038318)**, under the guidance of Dr. Avinash Kudva K, towards partial fulfillment of the Master of Science degree in Biochemistry, is a faithful record of bona fide and original research work carried by him in the academic year 2021-2022.

Research Guide

Coordinator

Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri 574 199
Mangalore D.K.

Place: Mangalagangothri

Date: 16-09-2022

EXAMINERS:

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1. ..... 11.10.2022

2. ..... 11/10/2022

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MANGALORE UNIVERSITY

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M.Sc. Biochemistry Programme, Mangalagangothri 574 199

CERTIFICATE

This is to certify that the dissertation entitled **"Isolation, characterization and study of pectinase enzyme from *Aspergillus niger*"** submitted to Mangalore University, Mangalore by **Shashidhar (Reg. No. 203591383119)**, under the guidance of **Dr. Niveditha N.B.**, towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bonafide and original research work carried by his in the academic year 2021-2022.

5/9/2022
Research Guide

Coordinator
Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri 574 199
Mangalore D.K.

Place: Mangalagangothri
Date: 16-09-2022

EXAMINER

1. .....

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M.Sc. Biochemistry Programme, Mangalagangothri 574 199

CERTIFICATE

This is to certify that the dissertation entitled **"The role of 5-Fluorouracil on cell cycle regulation in Oral Squamous Cell Carcinoma (OSCC)"** submitted to Mangalore University, Mangalore by **Ms. Shreya Hegde (Reg. No. 203591383120)**, under the guidance of **Dr. Niveditha.N.B.**, towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bona fide and original project work carried by her in the academic year 2021-2022.

Niveditha
30/9/2022
Project Guide

Coordinator
Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri 574 199
Mangalore D.K.

Place: Mangalagangothri
Date: 16-09-2022

EXAMINERS:

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1. ..... 10.10.2022

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M.Sc. Biochemistry Programme, Mangalagangothri-574199

CERTIFICATE

This is to certify that the dissertation entitled ***"Neuroprotective effect of Centella asiatica in Parkinson's disease model"*** submitted to Mangalore University, Mangalore by **Ms. Sinchana A (203591383121)**, under the guidance of Dr. Niveditha N.B, towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bonafide and original research work carried by her in the academic year 2021-2022.

30/9/2022

Research Guide

Coordinator

Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

Place: Mangalagangothri
Date: 16/09/2022

EXAMINERS:

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1. ..... 11.10.2022

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MANGALORE UNIVERSITY

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M.Sc. Biochemistry Programme, Mangalagangothri 574 199

CERTIFICATE

This is to certify that the dissertation entitled "***Role of PAI-1 in the regulation of EMT proteins in lung injury***" submitted to Mangalore University, Mangalore by **Ms. Sreelakshmi P (Reg. No. 203591383122)**, under the guidance of Dr. Niveditha N. B., towards partial fulfillment of the Master of Science degree in Biochemistry, is a faithful record of bonafide and original research work carried by her in the academic year 2021-2022.

Niveditha 30/9/2022

Research Guide

Coordinator

Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri 574 199
Mangalore D.K.

Place: Mangalagangothri

Date: 16-09-2022

EXAMINERS:

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1. ..... 11.10.2022

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M.Sc. Biochemistry Course, Mangalagangothri-574199

CERTIFICATE

This is to certify that the dissertation entitled "**DETERMINATION OF OGD-INDUCED REDUCTION IN VIABILITY OF CULTURED NEURONAL CELLS**" submitted to Mangalore University, Mangalore by **Ms. Surakshitha (Reg. No.203591383123)**, under the guidance of Dr. Niveditha N.B towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bonafide and original research work carried by her in the academic year 2021-2022.

Niveditha 3/9/2022

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Coordinater

Coordinater
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

Place: Mangalagangothri

Date: 16-09-2022

EXAMINER

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1. ..... 11.10.2022

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CERTIFICATE

This is to certify that the dissertation entitled **"Anti-oxidant and Anti-inflammatory activity of *Andrographis paniculata*"** submitted to Mangalore University, Mangalore by **SURAKSHITHA, 203591383124** under the guidance of Mr. Wilson Joel Rodrigues, towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bona fide and original research work carried by her in the academic year 2021-2022.

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Coordinator
Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri 574 199
Mangalore D.K.

Place: Mangalagangothri
Date: 16-09-2022

EXAMINER

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1. ..... 11.10.2022
2. ..... 11/10/2022

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CERTIFICATE

This is to certify that the dissertation entitled **"Evaluation of protein denaturation inhibition, antioxidant activity and phytochemical screening of *Mammea suriga*"** submitted to Mangalore University, Mangalore by **Swathi B. Shetty(Reg. No. 203591383125)**,under the guidance of **Mr Wilson J Rodrigues**, towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bonafide and original research work carried by her in the academic year 2021-2022.

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Coordinator
Coordinator
M.Sc. In Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

Place: Mangalagangothri
Date: 06-09-2022

Examiners

EXAMINER

1) ..... 1. ..... 11.10.2022

2) ..... 2. ..... 11/10/2022

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M.Sc. Biochemistry Programme, Mangalagangothri 574199

CERTIFICATE

This is to certify that the dissertation entitled **"Isolation, partial purification and characterization of catalase from *Carica papaya* fruit"** submitted to Mangalore University, Mangalore by **Ms. Thashma K. M (Reg. No. 203591383126)**, under the guidance of **Mr. Wilson Joel Rodrigues**, towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bonafide and original research work carried by her in the academic year 2021-2022.

Research Guide

Coordinator
Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri 574 199
Mangalore D.K.

Place: Mangalagangothri
Date:

EXAMINER

EXAMINERS:

1. ..... 11.10.2022

2. ..... 11/10/2022

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M.Sc. Biochemistry Programme, Mangalagangothri 574199

CERTIFICATE

This is to certify that the dissertation entitled **"Preparation and Characterization of Chitosan/Polyvinyl alcohol film incorporated with *Hibiscus rosa-sinensis* flower Extract"** submitted to Mangalore University, Mangalore by **VARSHA M (Reg. No.203591383127)**, under the guidance of Wilson Joel Rodrigues, towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bonafide and original research work carried by her in the academic year 2021-2022.

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Coordinator
Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

Place: Mangalagangothri
Date: 16-09-2022

Date of Examination:

EXAMINERS:

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1. ..... 11.10.2022

2. ..... 11/10/2022

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M.Sc. Biochemistry Programme, Mangalagangothri 574 199

CERTIFICATE

This is to certify that the dissertation entitled "***Extraction of Active Coagulants from the seeds of Fabaceae Family: Application in Water treatment***" submitted to Mangalore University, Mangalore by **Ms. Veeksha V Rao (Reg. No. 203591383128)**, under the guidance of Dr. Somnath Kudva K, towards partial fulfillment of the Master of Science degree in Biochemistry, is a faithful record of bona fide and original research work carried by her in the academic year 2021-2022.

Research Guide

Coordinator

Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

Place: Mangalagangothri

Date: 16-09-2022

EXAMINERS:

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1. ..... 11.10.2022

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MANGALORE UNIVERSITY

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M.Sc. Biochemistry Programme, Mangalagangothri 574 199

CERTIFICATE

This is to certify that the dissertation entitled **"Effect of Curcumin on the regulation of Tissue Factor and Fibrinolytic System"** submitted to Mangalore University, Mangalore by **Ms. Veeksha V. Shetty (Reg. No. 203591383129)**, under the guidance of Mr. Wilson Joel Rodrigues, towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bona fide and original research work carried by her in the academic year 2021-2022.

Research Guide

Coordinator

Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

Place: Mangalagangothri

Date: 16-09-2022

EXAMINERS:

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EXAMINER

1. ..... 11.10.2022

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MANGALORE UNIVERSITY

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M.Sc. Biochemistry Programme, Mangala gangothri 574 199

CERTIFICATE

This is to certify that the dissertation entitled **"GREEN SYNTHESIS OF ZINC OXIDE NANOPARTICLE, CHARATERIZATION AND EVALUATION OF ITS CYTOTOXIC ACTIVITY ON LUNGADENOCARCINOMA CELL LINE"** submitted to Mangalore University, Mangalore by **VEENA M (Reg. No. 20[illegible]383130)**, under the guidance of **Dr.CHANDRASHEKHAR G JOSHI**, towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bona fide and original research work carried by her in the academic year 2021-2022.

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Coordinator

Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri 574 199
Mangalore D.K.

Place: Mangalagangothri
Date: 16-09-2022

EXAMINER

1. ..... 11.10.2022

2. ..... 11/10/2022

Valued

MANGALORE UNIVERSITY

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M.Sc. Biochemistry Programme, Mangalagangothri 574 199

CERTIFICATE

This is to certify that the dissertation entitled **"*fabrication and characterization of jackfruit seed starch and starch-keratin bio composite film and preparation of green tea extract activated film to check the effect on storage of tomato*"** submitted to Mangalore University, Mangalore by **Mr. Veerendra H (Reg. No. 203591383131)**, under the guidance of **Dr. Chandrashekhar G. Joshi.**, towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bona fide and original research work carried by him in the academic year 2021-2022.

Research Guide

Coordinator
Coordinator
M.Sc. in Biochemistry
Mangalore University
Mangalagangothri - 574 199
Mangalore D.K.

Place: Mangalagangothri
Date: 06-09-2022

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MANGALORE UNIVERSITY

(Accredited by NAAC)
M.Sc. Biochemistry Programme, Mangalagangothri 574 199

CERTIFICATE

This is to certify that the dissertation entitled **"Study of in-vitro biological activity of *Pterocarpus marsupium* roxburgh leaf extract"** submitted to Mangalore University, Mangalore by **VIKITHA (Reg. No. 203591383132)**, under the guidance of Dr. Chandrashekar.G. Joshi, towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bonafide and original research work carried by her in the academic year 2021-2022.

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