



# MANGALORE UNIVERSITY

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M.Sc. Biochemistry Course, Mangalagangothri 574199

## CERTIFICATE

This is to certify that the dissertation entitled "A study on the pharmacological effect of Donepezil and seleno-nanoparticles on A $\beta$ 42 model of Alzheimer's disease" submitted to Mangalore University, Mangalore by Ashwini. A (Reg. No.193092801), under the guidance of Dr. AvinashKudva K, 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 2020-2021.

Research Guide

Coordinator

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## **CERTIFICATE**

This is to certify that the dissertation entitled "**Green Synthesis of Silver Nanoparticles from *Leucas aspera* stem extract and evaluating its Antioxidant Activity**" submitted to Mangalore University, Mangalore by **DARSHAN K.S (Reg. No. 193092802)**, under the guidance of Dr. Avinash Kudva K., 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 2020-2021.

  
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## CERTIFICATE

This is to certify that the dissertation entitled “**Phytochemical investigation and antioxidant activity of Senna alata leaf**” submitted to Mangalore University, Mangalore by **Dhanyashree B.T (Reg. No. 193092803)**, under the guidance of Ms. **Ragsar**, 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 2020-2021.

  
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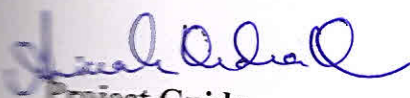


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## CERTIFICATE

This is to certify that the dissertation entitled “Isolation Of Keratin And Keratinase From Poultry Biowaste Samples And Their Applications” submitted to Mangalore University, Mangalore by **Dhanyashree M (Reg. No. 193092804)**, under the guidance of Dr. Avinash kudva, towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bonafide and original research work carried by him/her in the academic year 2020-2021.

  
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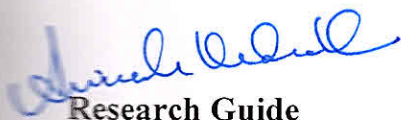
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## **CERTIFICATE**

This is to certify that the dissertation entitled "**Phytochemical Investigation and Antioxidant activity of *Andrographis Paniculata* leaf Extract**" submitted to Mangalore University, Mangalore by **Divya Ramakrishna Devadiga (Reg. No. 193092805)**, under the guidance of **Dr. Avinash Kudva**, 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 2020-2021.

  
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**M.Sc. Biochemistry Course, Mangalagangothri 574 199**

## **CERTIFICATE**

This is to certify that the dissertation entitled “Evaluation of selenocoxib-3 and hemp seed extract on A $\beta$ 42 model of Alzheimer’s disease” submitted to Mangalore University, Mangalore by Harsha R (Reg. No.193092806), under the guidance of Dr. Avinash Kudva K, 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 2020-2021.

  
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## **CERTIFICATE**

This is to certify that the dissertation entitled "**Green Synthesis of Copper Nanoparticles and its characterization using *Psidium guajava* leaf extract**" submitted to Mangalore University, Mangalore by **J Deepthi Bhat (Reg. No. 193092807)**, 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 2020-2021.

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## CERTIFICATE

This is to certify that the dissertation entitled "**Biosynthesis of Zinc Nanoparticles using *Macaranga peltata* leaf extract**" submitted to Mangalore University, Mangalore by **Jayashree K (Reg. No.193092808)**, 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 2020-2021.

  
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## CERTIFICATE

This is to certify that the dissertation entitled "Extraction, purification, characterization of bromelain enzyme from *Ananas comosus*" submitted to Mangalore University, Mangalore by Kavyashree B S (Reg. No.193092809), 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 2020-2021.

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## CERTIFICATE

This is to certify that the dissertation entitled "**Phytochemical analysis and Molecular Docking of *Calotropis procera* Leaf**" submitted to Mangalore University, Mangalore by **KRITHIKA V NAIK** (Reg. No. 193092810), 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 2020-2021.

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## CERTIFICATE

This is to certify that the dissertation entitled "**Estimation and Purification of Urease from *Pisum sativum* seeds**" submitted to Mangalore University, Mangalore by **LAVANYA** (Reg. No.193092811), 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 2020-2021.



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## CERTIFICATE

This is to certify that the dissertation entitled "**Synthesis and characterization of bio plastic from *Citrus sinensis* and *Cocos nucifera***" submitted to Mangalore University, Mangalore by **Mamatha Y R (Reg. No.193092812)**, 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 2020-2021.

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## CERTIFICATE

This is to certify that the dissertation entitled "**Phytochemical Investigation and Antioxidant activity of *Sida Rhombifolia* leaf Extract**" submitted to Mangalore University, Mangalore by **Nagarathna Manjunath Poojari (Reg. No. 193092813)**, 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 2020-2021.

  
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## **CERTIFICATE**

This is to certify that the dissertation entitled "**Green Synthesis of Zinc Oxide nanoparticles using leaf extract of *Salacia oblonga*, characterization and cytotoxicity study**" submitted to Mangalore University, Mangalore by **Nidhi S Shetty** (Reg. No. 193092814), under the guidance of **Mr Wilson Joel**, towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bonafide and original research work carried by the candidate in the academic year 2020-2021.

  
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## CERTIFICATE

This is to certify that the dissertation entitled "Ischemia Modified Albumin as a Marker of Chronic Kidney Disease in Diabetes Patients on Dialysis" submitted to Mangalore University, Mangalore by OKULLA ERICK DANIEL (Reg. No. 201902015), under the guidance of MR. WILSON J. RODRIGUES, towards partial fulfillment 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 2019-2021.

  
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## CERTIFICATE

This is to certify that the dissertation entitled "**In vitro Antidiabetic properties of Calotropis gigantea**" submitted to Mangalore University, Mangalore by **POORNIMA V.UCHIL(Reg.No.193092816)**, 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 2020-2021.

  
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October 2021



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M.Sc. Biochemistry Course, Mangalagangothri 574 199

## CERTIFICATE

This is to certify that the dissertation entitled "Green synthesis of silver nanoparticles from *Centella asiatica* and their anti-oxidant, anti-diabetic activity" submitted to Mangalore University, Mangalore by PRAJITH RAI (Reg. No. 193092817), under the guidance of Wilson Joel, 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 2020-2021.

  
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## **CERTIFICATE**

This is to certify that the dissertation entitled "Synthesis of Hap/Col composite using collagen extracted from green chromide fish scales and hydroxyapatite derived from chicken eggshells" submitted to Mangalore University, Mangalore by **PRATHIKSHA B (Reg. No.193092818)**, under the guidance of Mr. Wilson Joel, 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 2020-2021.

  
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## CERTIFICATE

This is to certify that the dissertation entitled "ISOLATION AND PARTIAL PURIFICATION OF PROTEASE ENZYME FROM FISH VISCERAL WASTE" submitted to Mangalore University, Mangalore by PREETHI. S(Reg. No. 193092819), under the guidance of WILSON JOEL, towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of bonafide and original research work carried by him/her in the academic year 2020-2021.

  
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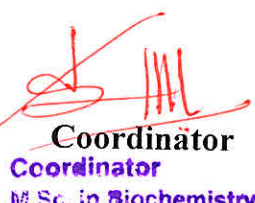
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**M.Sc. Biochemistry Course, Mangalagangothri 574 199**

## **CERTIFICATE**

This is to certify that the dissertation entitled "**Extraction and partial purification of Amylase from *Ipomoea batatas* peel**" submitted to Mangalore University, Mangalore by **Premalatha P.J (Reg. No. 193092820)**, 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 2020-2021.

  
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**Mangalore D.K.**

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M.Sc. Biochemistry Course, Mangalagangothri 574 199

## CERTIFICATE

This is to certify that the dissertation entitled "**Biosynthesis Of Copper Oxide Nanoparticles Using Aqueous Extract Of *Areca catechu* And Evaluation Of Its Antioxidant And Photocatalytic Activity**" submitted to Mangalore University, Mangalore by **Rakshitha AR** (Reg. No. 193092821), under the guidance of **Miss. 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 2020-2021.

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## **CERTIFICATE**

This is to certify that the dissertation entitled “**Extraction Partial Purification and Characterization of Polyphenol Oxidase from Peel and Pulp of *Solanum lycopersicum***” submitted to Mangalore University, Mangalore by **Rakshitha H.R** (Reg. No. 193092822), 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 2020-2021.

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## CERTIFICATE

This is to certify that the dissertation entitled "Extraction Chitin And Chitosan From Squid Pen Study On Few Properties Of Chitosan." submitted to Mangalore University, Mangalore by **Sanjana HR (Reg. No. 193092823)**, under the guidance of Miss 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 2020-2021.

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M.Sc. Biochemistry Course, Mangalagangothri 574199

## CERTIFICATE

This is to certify that the dissertation entitled "Green synthesis and characterization of silver nanoparticles using leaf extract of *coleus amboinicus* and evaluation of their phytochemical activity" submitted to Mangalore University, Mangalore by **SANTHOSH KUMAR K N** (Reg. No.193092824), under the guidance of Ms. *Ramisha* 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 2020-2021.

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## **CERTIFICATE**

This is to certify that the dissertation entitled "**Extraction, Characterization and Activity of Protease from leaves and latex of *Carica papaya***" submitted to Mangalore University, Mangalore by **Shobhitha K (Reg. No.193092825)**, under the guidance of **Miss Anusha**, towards partial fulfillment of the Master of Science degree in Biochemistry, is a faithful record of bonafide and original research work carried by the candidate in the academic year 2020-2021.

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## **CERTIFICATE**

This is to certify that the dissertation entitled “Synthesis and Characterization of Bioplastic from *Areca catechu* and *Ipomoea batatus* - a comparative study” submitted to Mangalore University, Mangalore by **Shreya D Souza** (Reg. No. **193092826**), 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 2020-2021.

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## CERTIFICATE

This is to certify that the dissertation entitled "**Evaluation of Trehalose, a radiation protection biomolecule in *Drosophila***" submitted to Mangalore University, Mangalore by **Shrilaxmi (Reg. No. 193092827)**, under the guidance of Dr. Avinash Kudva K, 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 2020-2021.

  
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## CERTIFICATE

This is to certify that the dissertation entitled "Phytochemical investigation and antioxidant activity of *Convolvulus pluricaulis* leaf" submitted to Mangalore University, Mangalore by **Shruthi K.N (Reg. No.193092828)**, under the guidance of Ms. Ruqsar, 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 2020-2021.

  
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## CERTIFICATE

This is to certify that the dissertation entitled "Effect of Curcumin on the deposition of Extracellular matrix in Bleomycin induced Pulmonary fibrosis mice model"

submitted to Mangalore University, Mangalore by **Suchetha K S (Reg. No. 193092829)**, under the guidance of Ms. Ruqsar, 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 2020-2021.

  
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## **CERTIFICATE**

This is to certify that the dissertation entitled "Evaluation of protein expression levels of acetyl p53 and curcumin intervention in  $\gamma$ -irradiated A549 cells" submitted to Mangalore University, Mangalore by Sumayya K K (Reg. No.193092830), under the guidance of Miss Ruqsar, 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 2020-2021.

  
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## CERTIFICATE

This is to certify that the dissertation entitled “ *Phytochemical Investigations and Antioxidant activities of Eichhornia crassipes leaves*” submitted to Mangalore University, Mangalore by **VIRAJ V. BANGERA** (Reg. No.193092831), under the guidance of Dr.Avinash Kudva K, 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 2020-2021.

  
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## **CERTIFICATE**

This is to certify that the dissertation entitled "**Lung cancer and vital organ functions**" submitted to Mangalore University, Mangalore by **AHMED JAAFAR ABDULSADEQ** (Reg. No. **193092832**), under the guidance of Ms. Ruqsar, 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 2020-2021.

  
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## CERTIFICATE

This is to certify that the dissertation entitled "Oesophageal Cancer and Vital organ functions" submitted to Mangalore University, Mangalore by **KARRAR KHAZAL KHAZAAL** (Reg. No. 193092833), under the guidance of Ms. [Name], 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 2020-2021.

  
Project Guide

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

Place: Mangalagangothri  
Date: 05-10-2021

**MANGALORE**



**UNIVERSITY**

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

## **CERTIFICATE**

This is to certify that the dissertation entitled "**Colorectal cancer and vital organ functions**" submitted to Mangalore University, Mangalore by **MARWAN RAJAB MOHAMMED** (Reg. No. 193092834), under the guidance of Ms. Ruqsar, towards partial fulfilment of the Master of Science degree in Biochemistry, is a faithful record of sincere and original research work carried by him in the academic year 2020-2021.

  
Project Guide

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

Place: Mangalagangothri  
Date: 05-10-2021

**PG Dept. of Studies & Research in Biochemistry  
Jnana Kaveri P G Centre, Chikka Aluvara,  
Kodagu, Karnataka, INDIA**

**CERTIFICATE**

This is to certify that this project work entitled "Green synthesis of silver and gold nanoparticles using leaf extract of *Strobilanthes kunthiana* and its antimicrobial activity ". Submitted by **Mr DILEEP S. D**, under the guidance of **Mr Rajkumar S Meti** Assistant professor P.G. Department of Biochemistry, Chikka Aluvara, Kodagu district towards the partial fulfillment of M.Sc., Degree of Biochemistry (IV semester) contains the results of the bonafide project work carried out by him during the academic year 2019-2021.

Place: Chikka Aluvara

Date: 29-10-2021

Date of Examination: 30-10-2021

EXAMINERS:

1)

2)



  
Chairperson

2020-2021



MANGALORE UNIVERSITY

P. G. Department of Biochemistry

Chikkaalavara, Somavarpet taluk, Kodagu district.

### CERTIFICATE

This is to certify that **DIVYA M.P**, 4<sup>th</sup> Semester, M.Sc Biochemistry, Mangalore University has satisfactorily completed the project work entitled "A STUDY ON PHTOCHEMICAL ANALYSIS, ANTI - OXIDANT AND SYNTHESIS OF SILVER NANOPARTICLES FROM 'Laurus nobilis' LEAF EXTRACT".

Under the guidance of **Dr. Sneha rani A H** Assistant professor, Department of Studies in Biochemistry, Mangalore University, Chikka aluvara towards the partial fulfilment of M.Sc., Degree of Biochemistry (IV semester) contains the results of the bonafide project work carried out by him during the academic year 2020-2021.

Place: Chikka aluvara

Date: 8/11/2021

Date of Examination:

EXAMINERS:

1)

2)

Signature of Guide

*[Signature]* A. H.

*[Signature]*  
Signature of Chairperson

Chairperson

Department of Biochemistry  
Mangalore University  
Chikka Aluvara - 571 232  
Kodagu, Karnataka

  
**MANGALORE UNIVERSITY**

PG Dept. of Studies & Research in Biochemistry  
Jnana Kaveri P G Centre, Chikka Aluvara,  
Kodagu, Karnataka, INDIA

**CERTIFICATE**

This is to certify that this project work entitled "Phytochemical Analysis and Evaluation of Antioxidant and anti-inflammatory by inhibiting sPLA<sub>2</sub> Inhibition by leaves of *Solanum tourviam*". Submitted by Miss Ranjitha N. under the guidance of Dr K.K. Dharmappa Assistant professor P.G. Department of Biochemistry, Chikka Aluvara, Kodagu district towards the partial fulfillment of M.Sc., Degree of Biochemistry (IV semester) contains the results of the bonafide project work carried out by his during the academic year 2019-2021.

Place: Chikka Aluvara

Date: 29-10-2021

Date of Examination: 30-10-2021

EXAMINERS:

1)

2)



  
Chairperson

Chairperson  
PG Dept. of Studies & Research in Biochemistry  
PG Centre, Mangalore University  
Jnana Kaveri, Chikka Aluvara - 571 232  
Kodagu, Karnataka

**CERTIFICATE**

This is to certify that **AFRA M.H**, 4<sup>th</sup> Semester, M.Sc Biochemistry, Mangalore University has satisfactorily completed the project work entitled **A STUDY ON PHTOCHEMICAL ANALYSIS, ANTO-OXIDANT AND ANTI MICROBIAL ACTIVITY OF AREAL PART OF 'OCIMUM AMERICANUM'**.

Under the guidance of **Dr. Chandrashekhar G Joshi** Associate<sup>Professor</sup>, Department of Studies In Biochemistry, Mangalore University, Chikka aluvara towards the partial fulfillment of M.Sc., Degree of Biochemistry (IV semester) contains the results of the bonafide project work carried out by him during the academic year 2020-2021.

Place: Chikka aluvara

Date:

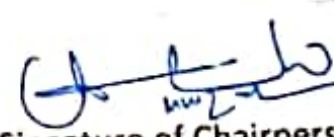
Date of Examination:

EXAMINERS:

1)

2)

  
Signature of Guide

  
Signature of Chairperson

Chairperson  
Dept of Studies & Research in Biochemistry  
P.G Centre, Mangalore University  
Chikka Aluvara, Somavarpet Taluk, Kodagu District - 571 232  
Kodagu District

2020-2021

  
MANGALORE UNIVERSITY  
P. G. Department of Biochemistry  
Chikkaalavara, Somavarpet taluk,  
Kodagu district.

### CERTIFICATE

This is to certify that **PRIYANTH Y K**, 4<sup>th</sup> Semester, M.Sc Biochemistry, Mangalore University has satisfactorily completed the project work entitled "A STUDY ON PHTOCHEMICAL SCREENING, ANTI - OXIDANT ACTIVITYANTIMICROBIAL ACTIVITY OF 'OCIMUM AMERICANUM' PLANT EXTRACT".

Under the guidance of **Dr. Chandrashekar G Joshi** Associate professor, Department of Studies in Biochemistry, Mangalore University, Chikka aluvara towards the partial fulfilment of M.Sc., Degree of Biochemistry (IV semester) contains the results of the bonafide project work carried out by him during the academic year 2020-2021.

Place: Chikka aluvara

Date:

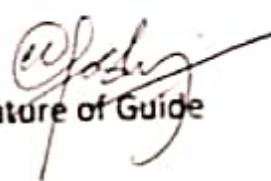
Date of Examination:30/10/2021

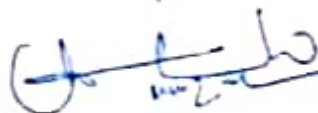
EXAMINERS:

1)

2)

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Signature of Guide



Chairperson

Internal Studies & Placement in Bio  
P.G. Centre, Mangalore Univ  
Joshi K. S. C. Somavarpet taluk  
Kodagu, Karnataka

### CERTIFICATE

This is to certify that **SACHIN GOWDA G R**, 4<sup>th</sup> Semester, M.Sc Biochemistry, Mangalore University has satisfactorily completed the project work entitled "**A STUDY ON PHTOCHEMICAL ANALYSIS , ANTI - OXIDANT ACTIVITY AND SYNTHESIS OF SILVER NANOPARTICLES FROM 'Cymbopogon citratus' LEAF EXTRACT**".

Under the guidance of **Dr. Sneha rani A H** Assistant professor, Department of Studies in Biochemistry, Mangalore University, Chikka aluvara towards the partial fulfilment of M.Sc., Degree of Biochemistry (IV semester) contains the results of the bonafide project work carried out by him during the academic year 2020-2021.

Place: Chikka aluvara

Date:

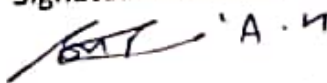
Date of Examination:

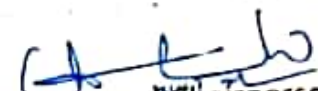
EXAMINERS:

1)

2)

Signature of Guide

 A. H.

  
Signature of Chairperson

Chairperson  
Dept of Studies in Biochemistry  
PG Centre, Mangalore University  
Jnanakaveri, Chikka Aluvara - 571 232  
Kodagu, Karnataka

**PG Dept. of Studies & Research in Biochemistry  
P G Centre Jnana Cauvery campus, Chikka Aluvara,  
Kodagu, Karnataka, INDIA**

**CERTIFICATE**

This is to certify that this project work entitled "Green synthesis of silver and gold nanoparticles using leaf extract of *Strobilanthes kunthiana* and its antimicrobial activity ".Submitted by **Miss.Soundarya D.G** under the guidance of **Mr Rajkumar S Meti** Assistant professor P.G. Department of Biochemistry, Chikka Aluvara, Kodagu district towards the partial fulfillment of M.Sc., Degree of Biochemistry (IV semester) contains the results of the bonafide project work carried out by his during the academic year 2019-2021.

**Place: Chikka Aluvara**

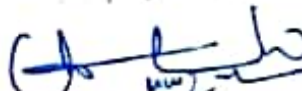
**Date: 29-10-2021**

**Date of Examination: 30-10-2021**

**EXAMINERS:**

1)

2)  30/10/21



**Chairperson**

**P. G. Centre for Biochemistry,  
Jnana Cauvery, Chikka Aluvara - 571 232  
Kodagu, Karnataka**



P. G. Department of Biochemistry  
ChikkaAluvara, Somavarpet taluk, Kodagu district.

### CERTIFICATE

This is to certify that Poojak.M 4<sup>th</sup> Semester, MSc Biochemistry, Mangalore University has satisfactorily completed the project work entitled "A Study on documentation characterisation, quantitative estimation of protein, phytochemical screening and antioxidants of mushrooms *Pleurotus flabellatus* and *Pycnoporouscannabarinus*. Under the guidance of Dr. K. S Chandrashekharaiiah professor of Department of Studies in Biochemistry, Mangalore University, Chikkaaluvara towards the partial fulfilment of M.Sc., Degree of Biochemistry (IV semester) contains the results of the project work carried out by him during the academic year 2020-2021.

Place: Chikka aluvara  
Date:

(Signature of Guide)  
Signature of the chairperson

Chairperson,  
Dept of Studies in Biochemistry,  
Poojak.M, Chikka Aluvara,  
Somavarpet Taluk, Kodagu District - 576 102



P. G. Department of Biochemistry

Chikka aluvara, Somavarpet taluk, Kodagu district.

### CERTIFICATE

This is to certify that **RAKSHA K C**, 4<sup>th</sup> Semester, MSc Biochemistry, Mangalore University has satisfactorily completed the project work entitled *"Characterization of protein/peptides from different varieties of mushrooms of Western Ghats"*.

Under the guidance of **Dr. Chandrashekharaiiah k S** professor, Department of Studies in Biochemistry, Mangalore University, Chikka aluvara towards the partial fulfilment of M.Sc., Degree of Biochemistry (IV semester) contains the results of the bonafide project work carried out by him during the academic year 2020-2021.

Place: Chikka aluvara

  
Signature of Guide

Date:

  
Signature of Chairperson:

**PG Dept. of Studies & Research in Biochemistry  
Jnana Kaveri P G Centre, Chikka Aluvara,  
Kodagu, Karnataka, INDIA**

**CERTIFICATE**

This is to certify that this project work entitled "Green synthesis of silver and gold nanoparticles using leaf extract of *Strobilanthes kunthiana* and its antimicrobial activity ". Submitted by **Miss Hithaishi C.B** under the guidance of **Mr Rajkumar S Meti** Assistant professor P.G. Department of Biochemistry, Chikka Aluvara, Kodagu district towards the partial fulfillment of M.Sc., Degree of Biochemistry (IV semester) contains the results of the bonafide project work carried out by his during the academic year 2019-2021.

Place: Chikka Aluvara

Date: 29-10-2021

Date of Examination:30-10-2021

EXAMINERS:

1)

2)  30/10/21

  
Chairperson

**PG Dept. of Studies & Research in Biochemistry  
Jnana Kaveri P G Centre, Chikka Aluvara,  
Kodagu, Karnataka, INDIA**

## CERTIFICATE

This is to certify that this project work entitled "**Phytochemical Analysis and Evaluation of Antioxidant and anti-inflammatory by inhibiting sPLA<sub>2</sub> Inhibitor by leaves of *Euphorbia hirta*.**" Submitted by Miss Supriya B S. under the guidance of Dr K.K. Dharmappa Assistant professor P.G. Department of Biochemistry, Chikka Aluvara, Kodagu district towards the partial fulfillment of M.Sc., Degree of Biochemistry (IV semester) contains the results of the bonafide project work carried out by his during the academic year 2019-2021.

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Date: 29-10-2021

Date of Examination: 30-10-2021

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Dept of Studies & Research in Biochemistry  
PG Centre, Mangalore University  
Jnana Kaveri P G Centre - 571 232  
Kodagu, Karnataka