

DAVANGERE UNIVERSITY



A Dissertation Report on

***“Recombinant DNA technology and its
Impact on Xenobiotic Degradation”***

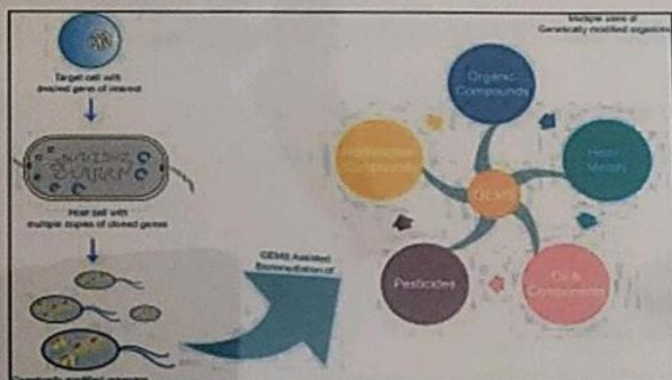
Dissertation report submitted to the Davangere
University In partial fulfillment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Miss. Anusha P Nargund

Reg. No- BC191002



Under the Guidance of

Dr. Santosh Kumar M

Assistant Professor

Department of Studies in Biochemistry

Davangere University,

Shivagangothri

Davangere-577007

2021

[Signature]
30/10/2021

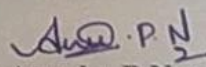


DAVANGERE UNIVERSITY
DEPARTMENT OF STUDIES IN BIOCHEMISTRY
Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the dissertation entitled "**Recombinant DNA Technology and its Impact on Xenobiotic Degradation**" is record of bonafide work carried out by me under the guidance of **Dr. Santosh Kumar M.**, Assistant Professor, Department of Studies in Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2021-2022. I further declare that the work embodied in this project report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere
Date: 20/10/2021


Miss. Anusha P Nargund

DAVANGERE UNIVERSITY

DEPARTMENT OF STUDIES IN BIOCHEMISTRY

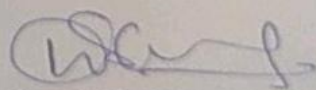
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Dr. Santosh Kumar M, Ph.D.
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Department of Studies in Biochemistry
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DAVANGERE - 577007

CERTIFICATE

This is to certify that the dissertation work entitled "**Recombinant DNA Technology and its Impact on Xenobiotic Degradation**" is the bona fide dissertation work of **Miss. Anusha P Nargund**. Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere
Date: 30/10/2021


Dr. Santosh Kumar M
(Guide)

DAVANGERE UNIVERSITY

DEPARTMENT OF STUDIES IN BIOCHEMISTRY

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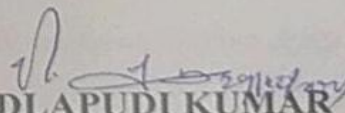
Fax: 08192-208420

CERTIFICATE

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Place: Davangere

Date: 29/10/2021


Dr. VADLAPUDI KUMAR
Chairman



DAVANGERE



UNIVERSITY



A DISSERTATION ON

“The Assessment of T-Cell subsets in response to treatment in patients with Alzheimer’s Disease”

Submitted to,

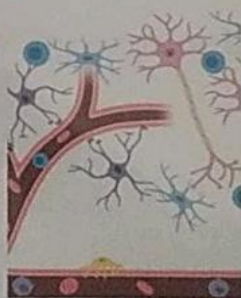
DEPARTMENT OF BIOCHEMISTRY
Davangere University

In partial fulfillment of the requirements for the
Award of Degree

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by,

ARPANA S.
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Under the Guidance of

Dr. Poornima D.V.

Assistant Professor

Department of Studies in Biochemistry
Davangere University, Shivagangothri,
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20/10/2021
VALUED

2020-2021





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Assistant Professor
Department of Biochemistry
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Shivagangothri, Tholahunase
DAVANGERE - 577007

CERTIFICATE

This is to certify that, the dissertation work entitled "**The Assessment of T-Cell subsets in response to treatment in patients with Alzheimer's Disease**" is an bonafide dissertation report by **Ms. Arpana S.** complied under supervision for the award of degree in **Master of Science in Biochemistry** and it has not been submitted in part or in full to any university for the award of any Diploma or Degree.

Poornima D.V.
Guide
(Dr. Poornima D.V.)

Place : Davangere
Date :

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Mobile : 9480024337

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08192-508102 (H)

Fax : 08192-208420 (Fax)

CERTIFICATE

This is to certify that, the dissertation work entitled "The Assessment of T-Cell subsets in response to treatment in patients with Alzheimer's Disease" has been complied by Ms. Arpana S. IV semester, Department of Biochemistry, bearing register number BC191003 respectively have satisfactorily completed dissertation work, towards in the partial fulfillment of the requirements for the award of degree in Master of Science in Biochemistry by Davangere University for the academic year 2020-21.

Chairman

29/10/2021

(Dr. Vadlapudi Kumar)

Place : Davangere

Date : 29/10/2021



DAVANGERE



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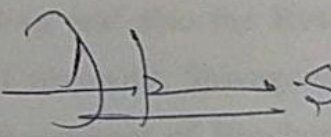
DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, Davangere - 577007

DECLARATION

I hereby declare that, the dissertation work entitled **"The Assessment of T-Cell subsets in response to treatment in patients with Alzheimer's Disease"** is record of bonafide work complied by me under the guidance of **Dr. Poornima D.V. Assistant Professor**, Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2020-21.

I Further declare that, the work embodied in this dissertation has not been submitted for the award of any diploma or degree of this university or elsewhere.


(Ms. Arpana S.)

Place : Davangere

Date :



DAVANGERE



UNIVERSITY

Department of Biochemistry

Shivagangothri, Davangere-577007

A Dissertation Report of

CANCER CHEMOTHERAPY

Dissertation report submitted to the Davangere University

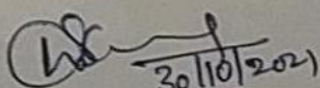
In partial fulfillment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Name :ARPITHA. D

Reg no.:BC191004


30/10/2021
VALUED

Under the Guidance of

Dr. GOPAL.M ADVIRAO

Professor

Department of Studies in Biochemistry
Davangere University, Shivagangothri,
Davangere-577007

2020-2021

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DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

DR. GOPAL.M. ADVIRAO

Professor

Department of Biochemistry

Davangere University,

DAVANGERE – 577002

CERTIFICATE

This is to certify that the Dissertation work entitled "*Cancer Chemotheraphy*" is the bonafide dissertation work of Miss. Arpitha .D Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: October 2021

Dr.Gopal.M Advirao

(Guide)



DAVANGERE



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DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

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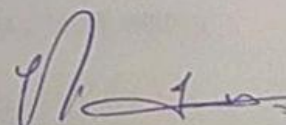
CERTIFICATE

This is to certify that the dissertation work entitled **“Cancer Chemotherapy”** is the bonafide dissertaion work of Miss. Arpitha .D Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place:

Date: 28/10/2021

(Prof.


VADLAPUDIKUMAR)
Chairman
Department of Biochemistry
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Shivagangothri, Davangere-577007



DAVANGERE



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Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the Dissertation entitled "**Cancer Chemotherapy**" is record of bonafide work carried out by me under the guidance of **Dr Gopal .M Advirao.**, Associate Professor., Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2020-2021. I further declare that the work embodied in this dissertation report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Date:

Arpitha D.

ARPITHA .D

(M.Sc., 2019-2021)

DAVANGERE UNIVERSITY



A Dissertation Report on

"Amidase enzyme and its Application on Industrial Production of Acids"

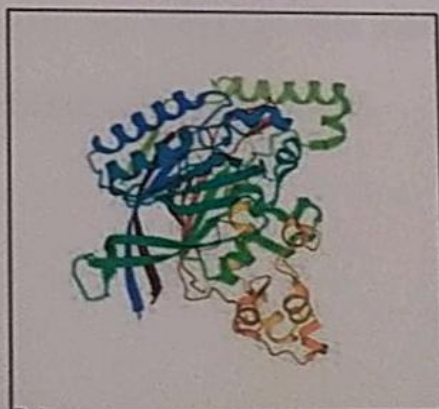
Dissertation report submitted to the Davangere University
In partial fulfillment of the award of

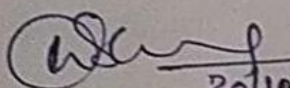
MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

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Reg. No- BC191005




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Under the Guidance of
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DAVANGERE UNIVERSITY
DEPARTMENT OF STUDIES IN BIOCHEMISTRY

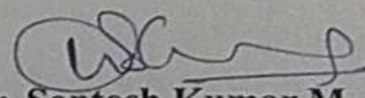
Shivangangothri, DAVANGERE - 577 002

Dr. Santosh Kumar M, Ph.D.
Assistant Professor
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CERTIFICATE

This is to certify that the dissertation work entitled "**Amidase enzyme and its Application on Industrial Production of Acids**" is the bona fide dissertation work of **Miss. Arpitha G.** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere
Date: 29/10/2021



Dr. Santosh Kumar M
(Guide)

DAVANGERE UNIVERSITY

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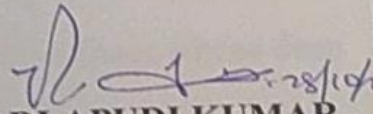
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Place: Davangere
Date: 29/10/2021


Dr. VADLAPUDI KUMAR
Chairman

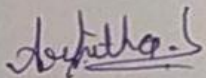


DAVANGERE UNIVERSITY
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DECLARATION

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Place: Davangere
Date: 27/10/2021



Miss. Arpitha G

DAVANGERE



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Department of Biochemistry

Shivagangothri, Davangere-577007

A Dissertation Report on

“ONCOGENES IN HUMAN CANCER”

**Dissertation report submitted to the Davangere University
In partial fulfillment of the award of**

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Bhagyashree S K

Reg no.:BC191006

Under the Guidance of

Dr.Gopal M Advi Rao

Professor

Department of Studies in Biochemistry

Davangere University, Shivagangothri,

Davangere-577007


VALUED

2020-2021



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Dr. Gopal M Advi Rao, Ph.D.

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Department of Biochemistry

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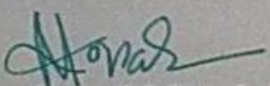
DAVANGERE - 577002

CERTIFICATE

This is to certify that the dissertation work entitled "**ONCOGENES IN HUMAN CANCER** " is the bona fide dissertation work of **Ms. BHAGYASHREE S K** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: 18th October 2024



Dr. Gopal M Advi Rao
Professor

DAVANGERE UNIVERSITY



DEPARTMENT OF BIOCHEMISTRY
Shivagangothri, DAVANGERE - 577 002

Dr. VADLAPUDI KUMAR, Ph.D.

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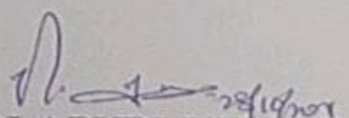
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Place: **Davangere**

Date: **28/10/2017**


Dr. VADLAPUDI KUMAR
(Chairman)



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DECLARATION

I hereby declare that the dissertation entitled "**Oncogenes in human cancer**" is record of bonafide work carried out by me under the guidance of **Dr. Gopal M Advi Rao** Professor, Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2020-2021. I further declare that the work embodied in this project report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Date:

Bhagyashree S K
BHAGYASHREE S K

DAVANGERE



UNIVERSITY

Department of Biochemistry

Shivagangothri, Davangere-577007

A Dissertation Report on

“Strategy on the development of RT-PCR for the detection of COVID19 and it's applications”

Project report submitted to the Davangere University

In partial fulfilment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

CHANDRASHEKHARA J

Reg. No- BC191007

Under the Guidance of

Dr. Pramod S N

Associate Professor

**Department of Studies in Biochemistry
Davangere University, Shivagangothri,
Davangere-577007**

2020-2021

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DEPARTMENT OF BIOCHEMISTRY

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Dr. VADLAPUDI KUMAR, Ph.D.
Professor, Chairman
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This is to certify that the dissertation work entitled "Strategy on the development of RT-PCR for the detection of COVID19 and its applications" is the bona fide project work of **Mr. CHANDRASHEKHARA J** Carried out under my supervision for the partial fulfilment of the requirements for the award of degree in Master of Science in Biochemistry, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date:

27/10/2021

Dr. VADLAPUDIKUMAR
Chairman

Department of Biochemistry
Davangere University
Shivangangothri, Davangere-577



DAVANGERE UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

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This is to certify that the dissertation work entitled “Strategy on the development of RT-PCR for the detection of COVID19 and its applications” is the bona fide project work of **Mr. CHANDRASHAKHARA J** Carried out under my supervision for the partial fulfilment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date:

Dr. Pramod S. N

Dr. PRAMOD S.N. Ph.D.

(Guide)

Associate Professor

Department of Biochemistry

Davangere University, Shivagangothri

Davangere-577002, Karnataka, India

DAVANGERE UNIVERSITY



DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the dissertation entitled "**Strategy on the development of RT-PCR for the detection of COVID19 and its applications**" is record of bonafide work carried out by me under the guidance of **Dr. Pramod S N.**, Associate Professor, Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2019-2020. I further declare that the work embodied in this dissertation report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Chandrashekhara J
Name: Chandrashekhara J

Date:

DAVANGERE UNIVERSITY

A Dissertation Report on

“Mineralization of Aromatic Nitriles pesticides by Microorganisms”

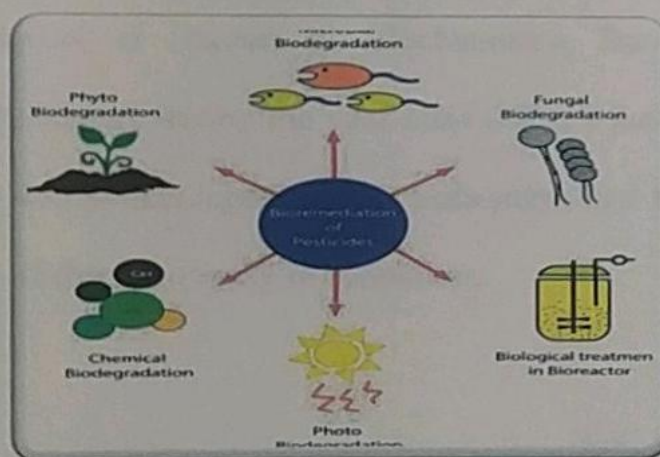
Dissertation report submitted to the Davangere University In partial fulfillment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Miss. Divya D.G.

Reg. No- BC191008



Under the Guidance of

Dr. Santosh Kumar M

Assistant Professor

Department of Studies in Biochemistry

Davangere University,

Shivagangothri

Davangere-577007

2021

DAVANGERE UNIVERSITY
DEPARTMENT OF STUDIES IN BIOCHEMISTRY

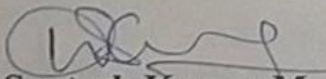
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CERTIFICATE

This is to certify that the dissertation work entitled “**Mineralization of Aromatic Nitriles pesticides by Microorganisms**” is the bona fide dissertation work of **Miss. Divya D G.** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere
Date: 29/10/2021


Dr. Santosh Kumar M
(Guide)

DAVANGERE UNIVERSITY
DEPARTMENT OF STUDIES IN BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

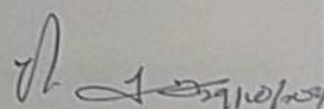
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Place: Davangere
Date: 29/10/2021


Dr. VADLAPUDI KUMAR
Chairman

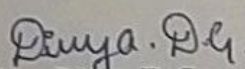


DAVANGERE UNIVERSITY
DEPARTMENT OF STUDIES IN BIOCHEMISTRY
Shivagangothri, DAVANGERE - 577 002

DECLARATION

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Place: Davangere
Date: 27/10/2021


Miss. Divya D G

DAVANAGERE UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, Davangere University—577007

A DISSERTATION ON

“ APOPTOSIS IN NEURODEGENERATIVE DISEASES ”

Dissertation report submitted to the Davangere university

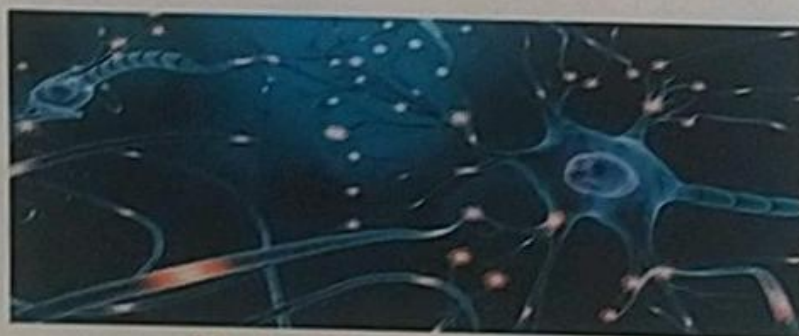
IN Partial Fulfilment of the Requirments for the award of degree

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted By

DIVYA S

Reg.No : BC191009



Under the Guidance of

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DEPARTMENT OF BIOCHEMISTRY

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Dr. VADLAPUDI KUMAR

Chairman

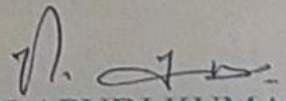
Dept. of Biochemistry

Davanagere University, Shivagangothri

Davanagere-577007

CERTIFICATE

This is certify that, the Dissertation work entitle “**APOPTOSIS IN NEURODEGENERATIVE DISEASES**” has been compiled by DIVYA S , IV semester, Department of Biochemistry, bearing register number BC191009 Respectively have satisfactorily completed the Dissertation work, towards in partial fulfilment of the requirements for the award of Degree of MASTER OF SCIENCE IN BIOCHEMISTRY by Davanagere University for the academic year 2020-2021.


(Prof. VADLAPUDI KUMAR)

Place : Davanagere University

Date : 28/10/2021

Chairman
Department of Biochemistry
Davanagere University
Shivagangothri, Davanagere-577007

DAVANAGERE



UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, Davanagere- 577007

Dr. VADLAPUDI KUMAR

Chairman

Dept. of Biochemistry

Davanagere University, Shivagangothri

Davanagere-577007

CERTIFICATE

This is certify that, the Dissertation work entitle "**APOPTOSIS IN NEURODEGENERATIVE DISEASES**" is a bonafide project work of DIVYA. S. Compiled Under my supervision for the award of degree in MASTER OF SCIENCE IN BIOCHEMISTRY and it has not been submitted either in part or In full to any university for the award of any Diploma or degree.

Guide

(Prof. VADLAPUDI KUMAR)

Chairman
Department of Biochemistry
Davanagere University
Shivagangothri, Davanagere-577007

Place : Davanagere University

Date : 28/10/2024

DAVANAGERE  UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, Davanagere- 577007

DECLARATION

I hereby declare that, Dissertation entitled “ **APOPTOSIS IN NEURODEGENERATIVE DISEASES**” is record of bonafied work compiled by me under the guidance Of DIVYA.S. Department of Biochemistry, Davanagere university, Shivagangothri, Davanagere during the year 2020-2021

I further declar that, the work embodied in this Dissertation has not been submitted for the award of any Diploma or Degree of this University or elsewhere.

Place: Davanagere University

Date:

VALUED

Divya.S
DIVYA.S.
M.Sc.,2020-21

DAVANGERE



UNIVERSITY

Department of Biochemistry

Shivagangothri, Davangere-577007

A Dissertation Report on

**“Nanocapsulation of therapeutic
herbal plant for antimicrobial
applications”**

Project report submitted to the Davangere University In
partial fulfillment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

GADDIGOWDRA KAVYA

Reg.No:BC191010

Under the Guidance of

VALUED

Dr. Pramod S N

Associate Professor

Department of Studies in Biochemistry
Davangere University, Shivagangothri,
Davangere-577007

2020-2021

DAVANGERE UNIVERSITY



DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

Dr. Pramod S. N, Ph.D.
Associate Professor
Department of Biochemistry
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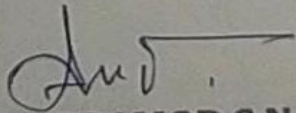
Mobile: 9148356589
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CERTIFICATE


This is to certify that the project work entitled “Nanocapsulation of therapeutic herbal plant component for anti microbial applications” is the bona fide project work of Miss **Gaddigowdra Kavya** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date:


Dr. PRAMOD S.N. Ph.D.

Associate Professor
Department of Biochemistry
Davangere University, Shivagangothri
Davangere - 577007, Karnataka, India



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DEPARTMENT OF BIOCHEMISTRY

Shivangangothri, DAVANGERE - 577 002

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Davangere University
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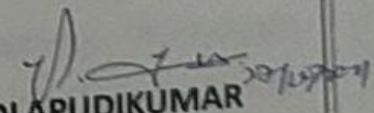
Mobile: 9480024337
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08192-208102 (Home)
Fax: 08192-208420

CERTIFICATE

This is to certify that the project work entitled "Nanocapsulation of therapeutic herbal plant component for anti microbial applications" is the bona fide project work of Miss **Gaddigowdra Kavya** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: 27/12/2021



Dr. VADLAPUDIKUMAR

(Chairman)
Chairman
Department of Biochemistry
Davangere University
Shivangangothri, Davangere - 577002

DAVANGERE UNIVERSITY



DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the project entitled "Nanocapsulation of therapeutic herbal plant component for anti microbial applications" is record of bonafide work carried out by me under the guidance of **Dr. Pramod S N.** Associate Professor, Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2019-2020. I further declare that the work embodied in this project report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Date:

Miss. GADDIGOWDRA KAVYA.

(M.Sc., 2019-2021)

VALUED

DAVANGERE UNIVERSITY



A Dissertation Report on

***“Fermentation process using molasses
based on alcohol production ”***

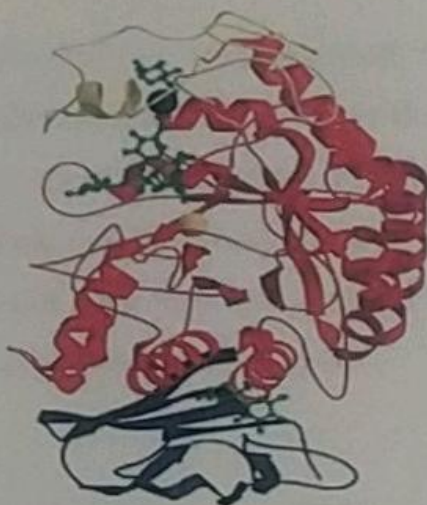
Dissertation report submitted to the Davangere
University In partial fulfillment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

GIREESHA B S

Reg. No-BC191011



Under the Guidance of

Dr. Vadlapudi kumar

Professor

Department of Studies in Biochemistry

Davangere University,

Shivagangothri

Davangere-577007

2021



DAVANGERE UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

Dr. Vadlapudi Kumar

Professor

Department of Biochemistry

Davangere University,

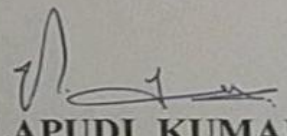
DAVANGERE – 577002

CERTIFICATE

This is to certify that the Dissertation work entitled "*Fermentation process using molasses based on alcohol production* " is the bonafide dissertation work of Mr. **GIREESHA B S** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: 28/10/2024


Dr. VADLAPUDI KUMAR

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(Guide)
Department of Biochemistry
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DEPARTMENT OF BIOCHEMISTRY

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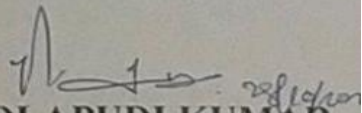
Fax: 08192-208420

CERTIFICATE

This is to certify that the dissertation work entitled "**Fermentation process using molasses based on alcohol production**" is the bonafide dissertation work of **Mr. Gireesha B S** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: 28/10/2019


Dr. VADLAPUDI KUMAR

(Chairman) Chairman
Department of Biochemistry
Davangere University
Shivagangothri, Davangere-577002

DAVANGERE



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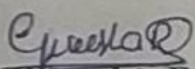
DEPARTMENT OF BIOCHEMISTRY
Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the dissertation entitled "**Fermantation process used for molasses based on alcohol production**" is record of bonafide work carried out by me under the guidance of **Dr.Vadlapudi kumar**, Professor, Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2019-2021. I further declare that the work embodied in this project report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Date:


Gireesh B S
(M.Sc 2019-2021)

VALUED

DAVANGERE



UNIVERSITY

Department of Biochemistry
Shivagangothri, Davangere-577007

A Dissertation Report on
**“SIGNALING MOLECULES AND THEIR
RECEPTORS”**

Dissertation report submitted to the Davangere University
In partial fulfillment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Harshitha M V

Reg no.:BC191012

Under the Guidance of

Dr.Gopal M Advi Rao

Professor

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Davangere-577007

VALUED

2020-2021

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Dr. Gopal M Advi Rao, Ph.D.

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Department of Biochemistry

Davangere University

Shivagangothri, Tholahunase

DAVANGERE – 577002

CERTIFICATE

This is to certify that the dissertation work entitled “**Signaling molecules and their receptors** ” is the bona fide dissertation work of Ms. **HARSHITHA M V** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: 18th October 2021

Dr. Gopal M Advi Rao
Professor

DAVANGERE UNIVERSITY



DEPARTMENT OF BIOCHEMISTRY Shivagangothri, DAVANGERE - 577 002

Dr. VADLAPUDI KUMAR, Ph.D.

Professor
Department of Biochemistry
Davangere University
Shivagangothri, Tholahunase
DAVANGERE - 577002

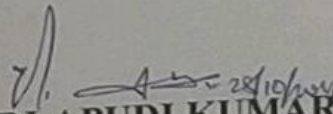
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This is to certify that the dissertation work entitled "**SIGNALING MOLECULES AND THEIR RECEPTORS** " is the bona fide dissertation work of **MISS. HARSHITHA M V** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: **Davangere**

Date: 22/10/2014


Dr. VADLAPUDI KUMAR
(Chairman)

DAVANGERE



UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the dissertation entitled "**Signaling molecules and their receptors**" is record of bonafide work carried out by me under the guidance of **Dr. Gopal M Advi Rao** Professor, Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2020-2021. I further declare that the work embodied in this project report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Date: 28-10-2021

Harshitha .m.v.
HARSHITHA M V

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Department of Biochemistry

Shivagangothri, Davangere-577007

A Dissertation Report on

**“Prevalence, pathophysiology and
target therapies for skin cancer”**

Project report submitted to the Davangere University

In partial fulfilment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Kumari M Sangeetha

Reg. No- BC191013

VALUED

Under the Guidance of

Dr. Pramod S N

Associate Professor

**Department of Studies in Biochemistry
Davangere University, Shivagangothri,
Davangere-577007**

2020-2021



DAVANGERE UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Shivangangothri, DAVANGERE - 577 002

Dr. VADLAPUDI KUMAR, Ph.D.

Professor

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Shivangangothri, Tholahunase

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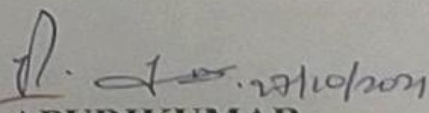
Fax: 08192-208420

CERTIFICATE

This is to certify that the dissertation work entitled **“Prevalence, pathophysiology and target therapies for skin cancer”** is the bona fide project work of Miss **Kumari M Sangeetha** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: 27/10/2021


Dr. VADLAPUDI KUMAR

Chairman
(Chairman)
Department of Biochemistry
Davangere University
Shivangangothri, Davangere-577007

Valued

27/10/2021
VALUED

DAVANGERE UNIVERSITY



DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

Dr. Pramod S. N., Ph.D.

Associate Professor

Department of Biochemistry

Davangere University,

DAVANGERE - 577002

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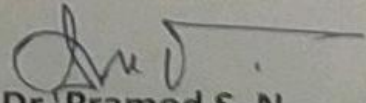
Tel: 08192-208135(Office)

CERTIFICATE

This is to certify that the dissertation work entitled "**Prevalance, pathophysiology and target therapies for skin cancer**" is the bona fide project work of **Kumari M Sangeetha** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date:


Dr. Pramod S. N.
Dr. PRAMOD S.N. Ph.D.
Associate Professor
(Guide)
Department of Biochemistry
Davangere University, Shivagangothri
Davangere-577007, Karnataka, India.

DAVANGERE UNIVERSITY



DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the dissertation entitled "**Prevalence, pathophysiology and target therapies for skin cancer**" is record of bonafide work carried out by me under the guidance of **Dr. Pramod S N.**, Associate Professor, Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2019-2020. I further declare that the work embodied in this project report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Date:

M. Sangeetha
Name : Kumari M Sangeetha

DAVANGERE



UNIVERSITY

Department of Biochemistry
Shivagangothri, Davangere-577007

A Dissertation Report on
"NEW EXPERIMENTAL MODLES USED TO STUDY THE
ALIZHEIMER'S DISEASE "

Dissertation report submitted to the Davangere University
In partial fulfillment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

LINGARAJU S A

Reg no.:BC191014

Hand
VALUED
30/10/2021
Under the Guidance of
Dr.POORNIMA D V

Assistant Professor

Department of Studies in Biochemistry
Davangere University, Shivagangothri,
Davangere-577007

2020-2021



DAVANGERE UNIVERSITY

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Dr. POORNIMA D V
Assistant Professor
Department of Biochemistry
Davangere University,
DAVANGERE – 577002

CERTIFICATE

This is to certify that the Dissertation work entitled “**NEW EXPERIMENTAL MODLES USED TO STUDY THE ALIZHEIMER’S DISEASE** ” is the bonafide dissertation work of **Mr. LINGARAJU S A** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date:

Poornima DV
Dr. POORNIMA D V

(Guide)

DAVANGERE



UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY
Shivagangothri, DAVANGERE - 577 002

Dr. VADLAPUDI KUMAR, Ph.D.
Professor and Chairman
Department of Biochemistry
Davangere University
Shivagangothri, Tholahunase
DAVANGERE - 577002

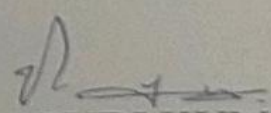
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This is to certify that the dissertation work entitled "NEW EXPERIMENTAL MODLES USED TO STUDY THE ALIZHEIMER'S DISEASE " is the bonafide Dissertation work of **Mr. LINGARAJU S A** ~~Carried out under my supervision~~ for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Shivagangothri
DAVANGERE

Date: 28/10/04


Dr. VADLAPUDI KUMAR

Chairman
Chairman
Department of Biochemistry
Davangere University
Shivagangothri, Davangere-577007

Valmiki
Hand
30/10/2004

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DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the Dissertation entitled "NEW EXPERIMENTAL MODLES USED TO STUDY THE ALIZHEIMER'S DISEASE " is record of bonafide work carried out by me under the guidance of Dr.POORNIMA D V Assistant Professor., Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2020-2021. I further declare that the work embodied in this dissertation report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Date:

Lingaraju. S A.
LINGARAJU S A
(M.Sc., 2019-2021)

DAVANGERE UNIVERSITY



A Dissertation Report on

**Mucosal Vaccine Development and Immune
Based Therapies**

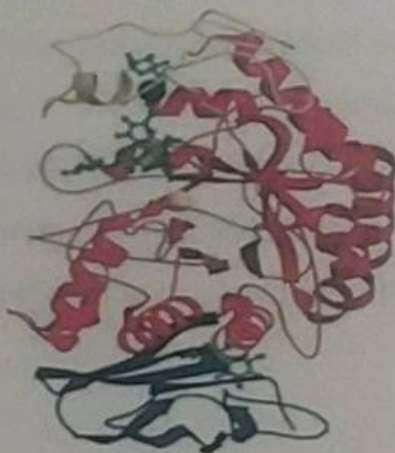
Dissertation report submitted to the Davangere
University In partial fulfillment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

MANJUNATHA S T

Reg. No-BC191015



Under the Guidance of

Dr. VADLAPUDI KUMAR

PROFESSOR AND CHAIRMAN

Department of Studies in Biochemistry

Davangere University,

Shivagangothri

Davangere-577007

2021



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DEPARTMENT OF BIOCHEMISTRY
Shivagangothri, Davangere - 577 002

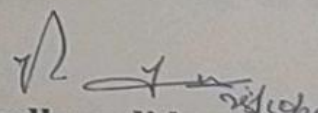
Dr. Vadlapudi Kumar Ph.D
Professor and Chairman,
Department of Biochemistry
Davangere University,
DAVANGERE - 577002

CERTIFICATE

This is to certify that the Dissertation work entitled "**Mucosal vaccine development and immune based therapies**" is the bonafide dissertation work of **Mr. Manjunatha S T** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: **Davangere**

Date: 28/10/2024



Dr. Vadlapudi kumar.
(Guide)

Manjunatha S T
29/10/2024

DAVANGERE UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY
Shivagangothri, DAVANGERE - 577 002

Dr. VADLAPUDI KUMAR, Ph.D.

Professor
Department of Biochemistry
Davangere University
Shivagangothri, Tholahunase
DAVANGERE - 577002

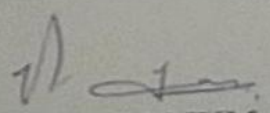
Mobile: 94800 24337
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Fax: 08192-208420

CERTIFICATE

This is to certify that the dissertation work entitled "Mucosal vaccine development and immune based therapies" is the bona fide dissertation work of Mr. Manjunatha S T Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in Master of Science in Biochemistry, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: 28/10/04


Dr. VADLAPUDI KUMAR
(Chairman)



DAVANGERE UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY
Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the dissertation entitled “**Mucosal vaccine development and immune based therapies**” is record of bonafide work carried out by me under the guidance of **Dr. Vadlapudi kumar**, Guest faculty, Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2019-2021. I further declare that the work embodied in this project report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere
Date:

Sti
MANJUNATHA S T
(M.Sc 2019-2021)

DAVANGERE



UNIVERSITY

Department of Biochemistry

Shivagangothri, Davangere-577007

A Dissertation Report on

THE SECRETORY PATHWAY:
MECHANISMS OF PROTEIN SORTING
AND TRANSPORT

Dissertation report submitted to the Davangere University

In partial fulfillment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Name : MOUNESHA T

Reg no.: BC191016

Handwritten signature
VALUED


30/10/2021

Under the Guidance of

Dr. GOPAL MADVI RAO
PROFESSOR

Department of Studies in Biochemistry
Davangere University, Shivagangothri,
Davangere-577007

2020-2021



DAVANGERE UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

Dr. Gopal M Advi Rao

Professor

Department of Biochemistry

Davangere University,

DAVANGERE - 577002

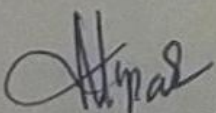
CERTIFICATE

This is to certify that the Dissertation work entitled "**The Secretory Pathway : Mechanisms of Protein Sorting and Transport**" is the bonafide dissertation work of Mr. **MOUNESHA T** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Valuet

Place: Davangere

Date: 28.10.2021


Dr. GOPAL M ADVI RAO

(Guide)

DAVANGERE



UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

Dr. VADLAPUDI KUMAR, Ph.D.
Professor and chairman
Department of Biochemistry
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Shivagangothri, Tholahunase
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Mobile: 9480024337
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Fax: 08192-208420

CERTIFICATE

This is to certify that the dissertation work entitled "**The Secretory Pathway Mechanisms of Protein Sorting and Transport**" is the bonafide dissertaion work of **Mr. MOUNESHA T** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place:

Date:

Valued
28/10/2021
30/10/2021

(Prof. VADLAPUDIKUMAR)

Chairman

Department of Biochemistry
Davangere University
Shivagangothri, Davangere-577007.

DAVANGERE



UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the Dissertation entitled **“The secretory pathway : mechanisms of protein sorting and transport”** is record of bonafide work carried out by me under the guidance of **Dr. Gopal M Advi Rao**, Professor., Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2020-2021. I further declare that the work embodied in this dissertation report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Date:

MOUNESHA T

(M.Sc., 2019-2021)

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Department of Biochemistry

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A Dissertation Report on

Correlation between ceramides and sphingomyelin in Alzheimer's disease

Dissertation report submitted to the Davangere University

In partial fulfillment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Name :MYTHRI S

Reg no.:BC191017

Under the Guidance of

Miss .RANJITHA G

Guest faculty

Department of Studies in Biochemistry

Davangere University, Shivagangothri,

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2020-2021

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36/10/2021



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Fax: 08192-208420

CERTIFICATE

This is to certify that the dissertation work entitled **“Correlation between ceramides and sphingomyelin in Alzheimer's disease”** is the bonafide dissertaion work of Miss .MYTHRI S Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place:

Date:


(Prof. VADLAPUDIKUMAR)

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Shivagangothri, DAVANGERE - 577 002

Miss RANJITHA G

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DAVANGERE - 577002

CERTIFICATE

This is to certify that the Dissertation work entitled "*Correlation between ceramides and sphingomyelin in Alzheimer's disease*" is the bonafide dissertation work of Miss MYTHRI S. Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: 27/10/2021

Ranjitha G. 27/10/21
MISS.RANJITHA G

(Guide)

DAVANGERE UNIVERSITY



DEPARTMENT OF BIOCHEMISTRY

Shivangangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the Dissertation entitled **“Correlation between ceramides and sphingomyelin in Alzheimer’s disease”** is record of bonafide work carried out by me under the guidance of **Miss. RANJITHA G.**, Guest faculty., Department of Biochemistry, Davangere University, Shivangangothri, Davangere during the year 2020-2021. I further declare that the work embodied in this dissertation report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Mythri. S
MYTHRI S

(M.Sc., 2019-2021)

Place: Davangere

Date:

DAVANGERE



UNIVERSITY

Department of Biochemistry
Shivagangothri, Davangere-577007

A Dissertation Report on

**“PASSIVE IMMUNOTHERAPHY FOR ALZHEIMER’S
DISEASE”**

**Dissertation report submitted to the Davangere University
In partial fulfillment of the award of**

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

NIKHIL N V

Reg no.:BC191018

Under the Guidance of

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Assistant Professor

Department of Studies in Biochemistry

Davangere University, Shivagangothri,

Davangere-577007

2020-2021

Handwritten signature
VALUED
30/10/2021



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DEPARTMENT OF BIOCHEMISTRY

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Dr. POORNIMA D V

Assistant Professor

Department of Biochemistry

Davangere University,

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CERTIFICATE

This is to certify that the Dissertation work entitled "**PASSIVE IMMUNOTHERAPHY FOR ALZHEIMER'S DISEASE**" is the bonafide dissertation work of Mr. NIKHIL N V Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Poornima D V
Dr. POORNIMA D V

(Guide)

Place: Davangere

Date:

DAVANGERE



UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

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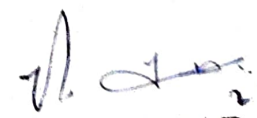
This is to certify that the dissertation work entitled "**PASSIVE IMMUNOTHERAPHY FOR ALZHEIMER'S DISEASE**" is the bonafide Dissertation work of **Mr. NIKHIL N V** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place:

Shivagangothri
DAVANGERE

Date:

28/10/2021


Dr. VADLAPUDI KUMAR

Chairman
Department of Biochemistry
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30/10/2021

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Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the Dissertation entitled "**PASSIVE IMMUNOTHERAPY FOR ALZHEIMER'S DISEASE**" is record of bonafide work carried out by me under the guidance of **Dr. POORNIMA D V** Assistant Professor., Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2020-2021. I further declare that the work embodied in this dissertation report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Date:

Nikhil
NIKHIL N V

(M.Sc., 2019-2021)

DAVANGERE



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Department of Biochemistry

Shivagangothri, Davangere-577007

A Dissertation Report on

**JUNK FOOD-PRECOCIOUS PUBERTY
IN GIRLS**

Dissertation report submitted to the Davangere University

In partial fulfillment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Name :POOJA.M

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Under the Guidance of

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Assistant Professor

**Department of Studies in Biochemistry
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2020-2021

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CERTIFICATE

This is to certify that the Dissertation work entitled “*JUNK FOOD PRECOCIOUS PUBERTY IN GIRLS*” is the bonafide dissertation work of POOJA M Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date:

Poornima D V.
Dr. POORNIMA D V
Assistant Professor
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This is to certify that the dissertation work entitled **“JUNK FOOD PRECOCIOUS PUBERTY IN GIRLS”** is the bonafide dissertaion work of **POOJA M** complied under supervision for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: *Shivagangothri*
Davangere

Date: *28/10/04*

(Prof.

V. J. Kumar
VADLAPUDIKUMAR)

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Shivagangothri, DAVANGERE - 577 007

DECLARATION

I hereby declare that the Dissertation entitled **"JUNK FOOD PRECOCIOUS PUBERTY IN GIRLS"** is record of bonafide work carried out by me under the guidance of **Dr. POORNIMA D V**, Assistant professor ., Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2020-2021. I further declare that the work embodied in this dissertation report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Date: 28/10/2021

POOJA M

(M.Sc., 2019-2021)

DAVANGERE UNIVERSITY



A Dissertation Report on

***“Immobilization Techniques and
Applications in Biotransformation and
Biodegradation”***

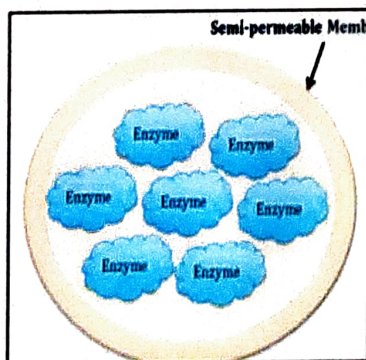
Dissertation report submitted to the Davangere
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MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Miss. Pooja N Manglenavar.

Reg. No- BC191020



Under the Guidance of

Dr. Santosh Kumar M

Assistant Professor

Department of Studies in Biochemistry

Davangere University,

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Dr. Santosh Kumar M, Ph.D.
Assistant Professor
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Davangere University
Shivagangothri, Tholahunase
DAVANGERE – 577007

CERTIFICATE

This is to certify that the dissertation work entitled “**Immobilization Techniques and Applications in Biotransformation and Biodegradation**” is the bona fide dissertation work of Miss. Pooja N Manglenavar. Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere
Date: 28/10/2021

Dr. Santosh Kumar M
(Guide)

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CERTIFICATE

This is to certify that the dissertation work entitled "Immobilization Techniques and Applications in Biotransformation and Biodegradation" is the bona fide dissertation work of Miss. Pooja N Manglenavar. Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in Master of Science in Biochemistry, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: 28/10/2021


Dr. VADLAPUDI KUMAR

Chairman

Chairman
Department of Biochemistry

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DEPARTMENT OF STUDIES IN BIOCHEMISTRY
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DECLARATION

I hereby declare that the dissertation entitled “Immobilization Techniques and Applications in Biotransformation and Biodegradation” is record of bonafide work carried out by me under the guidance of Dr. Santosh Kumar M., Assistant Professor, Department of Studies in Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2021-2022. I further declare that the work embodied in this project report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere
Date 29/10/2021

Miss. Pooja N Manglenavar

DAVANGERE



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Department of Biochemistry

Shivangothri, Davangere-577007

A Dissertation Report on

**Correlation between lewy bodies with
dementia**

Dissertation report submitted to the Davangere University

In partial fulfillment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Name :POOJA S J

Reg no.:BC191021

Under the Guidance of

Miss .RANJITHA G

Guest faculty

Department of Studies in Biochemistry

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Davangere-577007

2020-2021

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29/10/2021*

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DEPARTMENT OF BIOCHEMISTRY

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CERTIFICATE

This is to certify that the dissertation work entitled **“Correlation between lewy bodies with dementia”** is the bonafide dissertaion work of Miss .POOJA S J Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place:

Date: 27/10/2021

(Prof.


VADLAPUDIKUMAR)

Chairman

Department of Biochemistry

Davangere University

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DEPARTMENT OF BIOCHEMISTRY

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Miss RANJITHA G

Guest faculty

Department of Biochemistry

Davangere University,

DAVANGERE – 577002

CERTIFICATE

This is to certify that the Dissertation work entitled “*correlation between lewy bodies with dementia*” is the bonafide dissertation work of Miss **POOJA S J** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: 27/10/2021

Ranjitha G 27/10/21
MISS.RANJITHA G

(Guide)

DAVANGERE



UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the Dissertation entitled “**Correlation between lewy bodies with dementia**” is record of bonafide work carried out by me under the guidance of **Miss. RANJITHA G.**, Guest faculty., Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2020-2021. I further declare that the work embodied in this dissertation report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Date: 27/10/21

Pooja S. J.

POOJA S J

(M.Sc., 2019-2021)

DAVANGERE



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Department of Biochemistry

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A Dissertation Report on

**“IMMUNOCHEMICAL TECHNIQUES
AND THEIR APPLICATIONS”**

Dissertation report submitted to the Davangere University

In partial fulfillment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Name : REKHA K S

Reg no.: BC191022

Under the Guidance of

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2020-2021

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CERTIFICATE

This is to certify that the dissertation work entitled **"Immunochemical techniques and their applications"** is the bonafide dissertaion work of Miss. REKHA K S Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place:

Date: 22/10/2022

(Prof. VADLAPUDI KUMAR)

Chairman

Department of Biochemistry

Chairman

Davangere University

Shivagangothri, Davangere - 577002

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Miss. SHALINI K S

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Davangere University,

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This is to certify that the Dissertation work entitled “**Immunochemical techniques and their applications**” is the bonafide dissertation work of Miss. REKHA K S Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: 27/10/21

Shalini K S 27/10/21
SHALINI K S

(Guide)

DAVANGERE



UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the Dissertation entitled **“Immunochemical techniques and their applications”** is record of bonafide work carried out by me under the guidance of **Miss. SHALINI K S**, Guest faculty., Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2020-2021. I further declare that the work embodied in this dissertation report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Date: 27/10/2021

Rekha
REKHA K S

(M.Sc., 2019-2021)

DAVANGERE



UNIVERSITY

Department of Biochemistry

Shivagangothri, Davangere-577007

A Dissertation Report on

Correlation between ceramides and sphingomyelin in Alzheimer's disease

Dissertation report submitted to the Davangere University

In partial fulfillment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Name :MYTHRI S

Reg no.:BC191017

Under the Guidance of

Miss .RANJITHA G

Guest faculty

Department of Studies in Biochemistry

Davangere University, Shivagangothri,

Davangere-577007

2020-2021

Handwritten signature
VALUED

36/10/2021



DAVANGERE UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

Dr. VADLAPUDI KUMAR, Ph.D.

Professor

Department of Biochemistry

Davangere University

Shivagangothri, Tholahunase

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Tel: 08192-208135 (Office)

08192-208102 (Home)

Fax: 08192-208420

CERTIFICATE

This is to certify that the dissertation work entitled **“Correlation between ceramides and sphingomyelin in Alzheimer’s disease”** is the bonafide dissertaion work of Miss .MYTHRI S Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place:

Date:


(Prof. VADLAPUDIKUMAR)

DAVANGERE UNIVERSITY



DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

Miss RANJITHA G

Guest faculty

Department of Biochemistry

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DAVANGERE - 577002

CERTIFICATE

This is to certify that the Dissertation work entitled "*Correlation between ceramides and sphingomyelin in Alzheimer's disease*" is the bonafide dissertation work of Miss MYTHRI S. Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: 27/10/2021

Ranjitha G. 27/10/21
MISS.RANJITHA G

(Guide)

DAVANGERE UNIVERSITY



DEPARTMENT OF BIOCHEMISTRY

Shivangangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the Dissertation entitled **“Correlation between ceramides and sphingomyelin in Alzheimer’s disease”** is record of bonafide work carried out by me under the guidance of **Miss. RANJITHA G.**, Guest faculty., Department of Biochemistry, Davangere University, Shivangangothri, Davangere during the year 2020-2021. I further declare that the work embodied in this dissertation report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Mythri. S
MYTHRI S

(M.Sc., 2019-2021)

Place: Davangere

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Department of Biochemistry

Shivagangothri, Davangere-577007

A Dissertation Report On

"MUCORMYCOSIS"

Project report submitted to the Davangere University

In partial fulfillment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Name: SHRINIDHI BHANDARI K T

Reg. No- BC191024

Under the Guidance of

Valued

P. J. Srinidhi

Dr. Pramod S N

Associate Professor

Department of Studies in Biochemistry

Davangere University, Shivagangothri,

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2020-2021

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Shivagangothri, DAVANGERE - 577 002

Dr. Pramod S. N, Ph.D.
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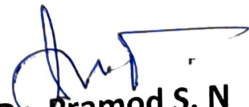
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CERTIFICATE

This is to certify that the dissertation work entitled " MUCORMYCOSIS" is the bona fide project work of Mr. **SHRINIDHI BHANDARI K T**. Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date:


Dr. Pramod S. N
Dr. PRAMOD S.N. Ph.D.
(Guide)
Associate Professor
Department of Biochemistry
Davangere University, Shivagangothri
Davangere-577007, Karnataka, India.

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CERTIFICATE

This is to certify that the dissertation work entitled “ **MUCORMYCOSIS**” is the bona fide dissertation work of Mr. SHRINIDHI BHANDARI KT Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: 28/10/2009

Dr. VADLAPUDIKUMAR

Chairman
Department of Biochemistry

Davangere University
Shivagangothri, Davangere-577007.

DAVANGERE



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DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the project entitled “-MUCORMYCOSIS [BLACK FUNGUS] is record of bonafide work carried out by me under the guidance of **Dr. Pramod S N.**, Associate Professor, Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2019-2020. I further declare that the work embodied in this project report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Date:

Name
Shrinishi - Bhandari KI.
(M.Sc., 2020-2021)

DAVANGERE UNIVERSITY



A Dissertation Report on

"Biochemical aspects of Parkinson's disease"

Dissertation report submitted to the Davangere University In partial fulfillment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

SRINIVASA S

Reg. No-BC191025



Under the Guidance of
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2021

Valued
Date 28/10/2021



DAVANGERE UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

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Miss RANJITHA G

Guest faculty

Department of Biochemistry

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DAVANGERE - 577002

CERTIFICATE

This is to certify that the Dissertation work entitled "**Biochemical aspects of Parkinson's Disease**" is the bonafide dissertation work of **Mr. SRINIVASA S.** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: 27/10/2021

Ranjitha G 27/10/21
MISS.RANJITHA G
(Guide)

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This is to certify that the dissertation work entitled **"Biochemical aspects of Parkinson's disease"** is the bona fide dissertation work of **Mr. Srinivasa S.**

Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: **Davangere**

Date: **28/10/2011**

Dr. VADLAPUDI KUMAR

(Chairman)

Department of Biochemistry

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Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the dissertation entitled “**Biochemical aspects of Parkinson’s disease**” is record of bonafide work carried out by me under the guidance of **Miss Ranjitha G**, Guest faculty, Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2019-2021. I further declare that the work embodied in this project report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Date:

Srinivasa.S

Srinivasa S

(M.Sc 2019-2021)

DAVANGERE



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Department of Biochemistry

Shivagangothri, Davangere-577007

A Dissertation Report on

**“INDUSTRIAL PRODUCTION OF
ANTIBIOTICS AND APPLICATION
IN MEDICINE”**

Dissertation report submitted to the Davangere
University In partial fulfillment of the award of
MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

SUJATHA P

Reg.No:BC191026

Under the Guidance of

Mis SHALINI.K.S.

Department of Studies in Biochemistry
Davangere University, Shivagangothri,
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2020-2021

revised
30/10/24
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Mis. SHALINI.K.S.

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CERTIFICATE

This is to certify that the project work entitled “**Industrial production of antibiotics and application in medicine**” is the bona fide project work of Miss **SUJATHA.P.** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: 27/10/21


Miss. SHALINI.K.S.

(Guide)





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This is to certify that the project work entitled “**Industrial production of antibiotics and application in medicine**” is the bona fide project work of Miss **SUJATHA.P.** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: 27/10/2024


Dr. VADLAPUDI KUMAR
Chairman
(Chairman)
Department of Biochemistry
Davangere University
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Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the project entitled **“Industrial production of antibiotics and application in medicine”** is record of bonafide work carried out by me under the guidance of **Mis SHALINI.K.S.** Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2019-2020. I further declare that the work embodied in this project report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Date: 24/10/21


Miss. SUJATHA .P

(M.Sc., 2020-2021)



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Miss RANJITHA G

Guest faculty

Department of Biochemistry

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DAVANGERE – 577002

CERTIFICATE

This is to certify that the Dissertation work entitled “*Plant polysacharides as medicines*” is the bonafide dissertation work of Mr. SUNIL G A Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: 27/10/2021

Ranjitha G 27/10/21
MISS.RANJITHA G

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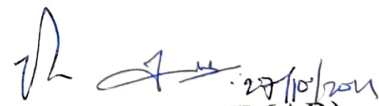
CERTIFICATE

This is to certify that the dissertation work entitled **“Plant polysaccharides as medicines”** is the bonafide dissertaion work of Mr.SUNIL G A Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place:

Date: 28/10/2014

(Prof.


VADLAPUDI KUMAR
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Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the Dissertation entitled “**Plant polysaccharide as medicines**” is record of bonafide work carried out by me under the guidance of **Miss. RANJITHA G.**, Guest faculty., Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2020-2021. I further declare that the work embodied in this dissertation report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Date: 27/10/2021

SUNIL G A

(M.Sc., 2019-2021)



DAVANGERE

UNIVERSITY

Department of Biochemistry
Shivagangothri, Davangere-577007

A Dissertation Report on

**“DIPHTHERIA TETANUS
PERTUSIS(DTaP) VACCINE”**

Dissertation report submitted to the Davangere University

In partial fulfillment of the award of

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

Name : TABASUM S

Reg no.: BC191028

Under the Guidance of

Miss .SHALINI K S

Guest faculty

Department of Studies in Biochemistry
Davangere University, Shivagangothri,
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2020-2021

Shiv 20/9/2021

VALUED

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CERTIFICATE

This is to certify that the dissertation work entitled **“Diphtheria Tetanus Pertussis(DTaP) Vaccine”** is the bonafide dissertaion work of Miss. TABASUM S Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place:

Date:

22/10/2017


(Prof. VADLAPUDI KUMAR)
Chairman
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Miss. SHALINI K S

Guest faculty

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Davangere University,

DAVANGERE – 577002

CERTIFICATE

This is to certify that the Dissertation work entitled **“Diphtheria Tetanus Pertusis(DTaP) Vaccine”** is the bonafide dissertation work of Miss. TABASUM S Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date: 27/10/21

Shalini K S 27/10/21
SHALINI K S

(Guide)

DAVANGERE



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Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the Dissertation entitled “**Diphtheria Tetanus Pertusis(DTaP) Vaccine**” is record of bonafide work carried out by me under the guidance of **Miss. SHALINI K S**, Guest faculty., Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2020-2021. I further declare that the work embodied in this dissertation report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Date: 27/10/21

Tabasum S
TABASUM S

(M.Sc., 2019-2021)

DAVANGERE



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Department of Biochemistry

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A Dissertation Report on

**“PEPTIDE ISOLATION AND CHARACTERIZATION
FROM FRUITES SOURCE”**

**Dissertation report submitted to the Davangere University
In partial fulfillment of the award of**

MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

THIPPESH R

Reg no.:BC191029

Dr. T. 30/1/2021
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Under the Guidance of

Dr. POORNIMA D V

Assistant Professor

**Department of Studies in Biochemistry
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Davangere-577007

2020-2021



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Dr. POORNIMA D V
Assistant Professor
Department of Biochemistry
Davangere University,
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CERTIFICATE

This is to certify that the Dissertation work entitled **“PEPTIDE ISOLATION AND CHARACTERIZATION FROM FRUITES SOURCE”** is the bonafide dissertation work of **Mr. THIPPESH R** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere

Date:

Poornima D V.

Dr. POORNIMA D V

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CERTIFICATE

This is to certify that the dissertation work entitled **"PEPTIDE ISOLATION AND CHARACTERIZATION FROM FRUITES SOURCE"** is the bonafide Dissertation work of **Mr. THIPPESH R** the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: *Shivagangothri*
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Date: *29/10/2017*

[Signature]
Dr. VADLAPUDI KUMAR

Chairman

Chairman
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DECLARATION

I hereby declare that the Dissertation entitled **“PEPTIDE ISOLATION AND CHARACTERIZATION FROM FRUITES SOURCE”** is record of bonafide work carried out by me under the guidance of **Dr.POORNIMA D V** Assistant Professor., Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2020-2021. I further declare that the work embodied in this dissertation report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: **Davangere**

Date:

Thippesh R
THIPPESH R

(M.Sc., 2019-2021)

DAVANGERE UNIVERSITY



A Dissertation Report on

“Extraction of Nutraceutical and Bioactive compounds in Berries
Fruits and their Application”

Dissertation report submitted to the Davangere
University In partial fulfillment of the award of

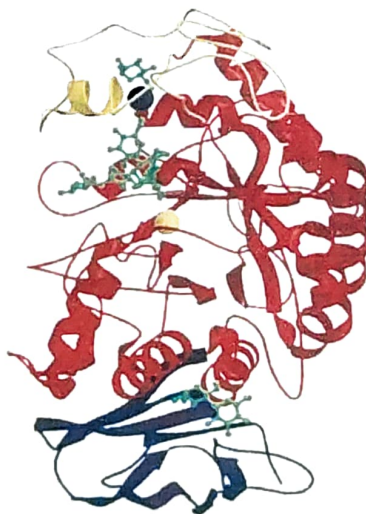
MASTER OF SCIENCE IN BIOCHEMISTRY

Submitted by

THIPPESWAMY MB

Reg. No-BC191030

Dr. D. S. M. S.
VALUED



Under the Guidance of

Miss. Shalini K S

Lecturer

Department of Studies in Biochemistry

Davangere University,

Shivagangothri

Davangere-577007

2021

DAVANGERE UNIVERSITY



DEPARTMENT OF BIOCHEMISTRY

Shivagangothri, DAVANGERE - 577 002

Dr. VADLAPUDI KUMAR, Ph.D.

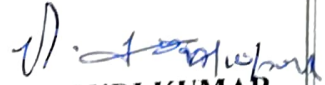
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CERTIFICATE

This is to certify that the dissertation work entitled "**Extraction of Nutraceutical and Bioactive compounds in Berry Fruits and their Application**" is the bona fide dissertation work of **Mr. Thippeswamy MB** Carried out under my supervision for the partial fulfillment of the requirements for the award of degree in **Master of Science in Biochemistry**, and it has not been submitted either in part or in full to any University for the award of any diploma or degree.

Place: Davangere
Date: 30/10/2021


Dr. VADLAPUDI KUMAR
(Chairman)

Chairman
Department of Biochemistry
Davangere University
Shivagangothri, Davangere - 577002

DAVANGERE

UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

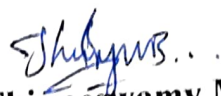
Shivagangothri, DAVANGERE - 577 002

DECLARATION

I hereby declare that the dissertation entitled “**Extraction of Nutraceutical and Bioactive compounds in Berry Fruits and their Application**” is record of bonafide work carried out by me under the guidance of **Miss. Shalini K S.**, Lecturer, Department of Biochemistry, Davangere University, Shivagangothri, Davangere during the year 2019-2020. I further declare that the work embodied in this project report has not been submitted for the award of any diploma or degree of this University or elsewhere.

Place: Davangere

Date: 30 /10/2021


Thippeswamy MB
(M.Sc 2019-

2021)

DAVANGERE UNIVERSITY



DEPARTMENT OF BIOCHEMISTRY

Shivangangothri,
Davangere-577077

DECLARATION BY GUIDE

I Certify that the dissertation report entitled "Extraction of Nutraceuticals and Bioactive Compounds in Berry Fruits and their Application" submitted in partial fulfillment of requirements for the award of degree of Master of Science In Biochemistry of Davangere University is the result of work carried out by **Thippeswamy M B** at the Department of Biochemistry, Davangere university, Shivangangothri, Davangere under my guidance and supervision, during the year 2020-2021.

Date: 27/10/2021

 * & 27/10/21
Miss . Shalini K S

Place: Davangere

Lecture
Department of Biochemistry
Shivangangothri
Davangere-577077