

“SCREENING OF BIOLOGICAL ACTIVITY FROM THE EXTRACTS OF TRIDAX PROCUMBENS”



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore.

Submitted by

Ms. RAJESHWARI N.J

Reg. No. JBT17018

IV Semester

Under the guidance of

Mr. ABIGNAN GURUKAR MS

Designation

Assistant Professor

PG Department of Studies and Research in Bio-technology

JSS College, Mysore.

May – 2019

**“SCREENING OF BIOLOGICAL ACTIVITY FROM
THE EXTRACTS OF TRIDAX PROCUMBENS”**



Project Report

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Postgraduate Department of Biotechnology
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Ms. RAJESHWARI N.J

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IV Semester

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Mr. ABIGNAN GURUKAR MS

Designation

Assistant Professor

PG Department of Studies and Research in Bio-technology

JSS College, Mysore.

May – 2019

QUALITY CONTROL – A MICROBIOLOGICAL PERSPECTIVE

Project report

Submitted in partial fulfillment of the requirements for the award of the degree
Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-UP under
Biotechnology Skill Enhancement Programme (BiSEP)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by

Ms. RAIHANATH K P

Reg. No. JBI17009

II Semester

Under the guidance of

Ms. DIVYA JOHN

Assistant Manager, Richcore Lifesciences Pvt Ltd, Bengaluru

March - 2019

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled 'QUALITY CONTROL - A MICROBIOLOGICAL PERSPECTIVE' is a bonified work carried out by Ms. RAHANATH K P (Reg.no. JB117009) in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under **Biotechnology Skill Enhancement Programme** sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India during the year 2018-2019.

GUIDE:

Signature of the Guide

Ms. Divya John

Examiners:

1. C. H. ...
2. B. Y. ...

Place: Mysore

Date:

15-03-2019



B. Y. ...

Dr. B. Y. Sathish Kumar

Assistant Professor

PG Dept. of Biotechnology

JSS College of Arts, Commerce & Science

City Road, Mysore - 25

M. Mahadevappa

PRINCIPAL

JSS College of Arts, Commerce & Science

City Road, Mysore - 25

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



JSS Biotechnology Skill Enhancement Programme
Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled 'Standardizing Ligation Independent Cloning method for recombinant antibody production' is a bona fide work carried out by Ms. Ketaki Vivek Yelgaonkar (Reg.no. JB118009) in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under **Biotechnology Skill Enhancement Programme** sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India.

GUIDE:

Carmelita M 7th Oct '19
Carmelita Nora Marbaniang, PhD
Scientist-III
ThermoFisher Scientific

B.Y. Sathish Kumar
Dr. B.Y. Sathish Kumar
Co-ordinator, JSS BiSEP
Assistant Professor and Head,
PG Dept. of Bio-Technology

Examiners:

1. *C.L. Sankar*
2. *B.Y. Sathish Kumar*
Place: Mysore
Date: 12/10/2019

Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.

**ANTIOXIDANT AND ANTIMICROBIAL PYRROLO[1,2-
a]QUINOLINE DERIVATIVES**

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Mr.SACHIN T.Y

Reg. No. JBT17019

IV Semester

Under the guidance of

Dr.MALLIKARJUN B. CHOUGALA

Professor

May – 2019

JSS Mahavidyaapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled 'ANTIOXIDANT AND ANTIMICROBIAL PYRROLO[1,2-a]QUINOLINE DERIVATIVES' is a bonified work carried out by Mr.SACHIN T.Y (Reg.no. JBT17019) in partial fulfilment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018 - 19.

GUIDE:

Dr.Mallikarjun B. Chougala

Dr. B. Y. Sathish Kumar

Assistant Professor and Head

Postgraduate Department of Bio-Technology

J.S.S. College of Arts, Commerce & Science

Ooty Road, Mysore - 570025

Examiners:

1.

2.

Place: Mysore

Prof. M. Mahadevappa

Principal, JSSCACS

Ooty road, Mysore - 25.

Principal

J-S-S- COLLEGE

Ooty Road, Mysore-570 025

BIOLOGICAL EVALUATION OF GUANINE ANALOGUES



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. MADHU B

Reg. No. JBT17012

IV Semester

Under the guidance of

Dr. Rekha N.D. M.Sc., Ph. D.

Assistant professor

PG Department of Biotechnology

May-2019

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled 'Biological evaluation of guanine analogues' is a bonified work carried out by **Ms. MADHU B** (Reg.no. **JBT17012**) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018-19.

GUIDE: *Rekha N.D.*

Dr. Rekha N.D.

M. Sc., ph. D.

Assistant professor

PG Department of Biotechnology

B. Y. Sathish Kumar

Dr. B. Y. Sathish Kumar

Assistant Professor and Head

Postgraduate Department of Biotechnology

J. S. S. College of Arts, Commerce & Science

Ooty Road, Mysore - 570025

Examiners:

1. *Dr. Rekha N.D.*
2. *Dr. Rekha N.D.*

M. Mahadevappa

Prof. M. Mahadevappa

Principal, JSSCACS

Ooty road, Mysore - 25.

Principal

J. S. S. COLLEGE

Ooty Road, Mysore - 570 025

Place: Mysore

Date: 5/5/2019

**PHYTOCHEMICAL ANALYSIS OF METHANOLIC
LEAVES EXTRACT OF *GREWIA FLAVESCENS* AND THEIR
BIOLOGICAL ACTIVITY**



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

SANDHYA KUMARI YADAV

Reg. No. JBT17022

IV Semester

Under the guidance of

Dr. Rekha N.D. M. Sc., Ph. D.

ASSISTANT PROFESSOR

PG DEPARTMENT OF BIOTECHNOLOGY

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OOTY ROAD, MYSORE-570025

MAY-2019

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JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE


(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)


OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled **'PHYTOCHEMICAL ANALYSIS OF METHANOLIC LEAVES EXTRACT OF GREWIA FLAVESCENS AND THEIR BIOLOGICAL ACTIVITY'** is a bonified work carried out by **SANDHYA KUMARI YADAV** (Reg.no. JBT17022) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018-2019

GUIDE 
Dr. Rekha N.D. M.sc., Ph.D
Assistant professor Department of
Bio-Technology



Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570025

Examiners:

1.

2.


Dr. Rekha N.D.


Prof. M. Mahadevappa
Principal, JSSACS
Ooty road, Mysore - 25.

Place: Mysore

Date: 6/5/2019

**STUDY OF ANTIOXIDANT AND ANTIMICROBIAL
ACTIVITIES OF PYRROLO[1,2-a]QUINOLINE
DERIVATIVES**

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Mr.HARSHA B.S

Reg. No. JBT17010

IV Semester

Under the guidance of

Dr.MALLIKARJUN B. CHOUGALA

Designation

May – 2019

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled 'STUDY OF ANTIOXIDANT AND ANTIMICROBIAL ACTIVITIES OF PYRROLO[1,2-a]QUINOLINE DERIVATIVES' is a bonified work carried out by Mr.HARSHA B.S (Reg.-JBT17010) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018 - 19.

GUIDE:

Dr.Mallikarjun B. Chougala

Dr. B. Y. Sathish Kumar

Assistant Professor and Head

Postgraduate Department of Bio-Technology

JSS College of Arts, Commerce & Science

Ooty Road, Mysore - 570 025

Examiners:

- 1.
- 2.

Place: Mysuru

Prof. M. Mahadevappa

Principal, JSSCACS

Ooty road, Mysore - 25.

Principal

J - S - S - COLLEGE

Ooty Road, Mysore-570 025

**Clinical Trial To Assess The Safety And Efficacy Of Sensitive
Baby Wipes On The Skin Of The Baby**



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfilment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Shruthi M G

Reg. No: JBT17031

IV Semester

Under the guidance of

Dr. B.Y. Sathish Kumar

Head of the Department

May - 2019

JSS Mahavidyaapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled 'Clinical Trial To Assess The Safety And Efficacy Of Sensitive Baby Wipes On The Skin Of The Baby' is a benified work carried out by Shruthi M.G (Reg.no. JBT17031) in partial fulfilment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018 - 2019.

GUIDE:

1. Sonika G

Director, Clinical Operations

Zetalix solutions

Dr. B. Y. Sathish Kumar

Assistant Professor and Head

Postgraduate Department of Bio-Technology

JSS College of Arts, Commerce & Science

Ooty Road, Mysore - 570025

2. Dr. B. Y. Sathish Kumar

Examiners:

1.

2.

Prof. M. Mahadevappa

Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science

Ooty Road, MYSURU-25

**BIOLOGICAL EVALUATION OF PYRROLO [1,2-a]QUINOLINE
DERIVATIVES**

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Mr.ABHISHEK S.R

Reg. No. JBT17001

IV Semester

Under the guidance of

Dr.MALLIKARJUN B. CHOUGALA

Designation

May - 2019

JSS Mahavidyalaya

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

Ooty Road, Mysore - 570025



CERTIFICATE

Certified that project report entitled 'BIOLOGICAL EVALUATION OF PYRROLO[1,2-a]QUINOLINE DERIVATIVES' is a bonified work carried out by Mr. ABHISHEK S.R. (Reg.no. JBT17001) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018 - 19.

GUIDE:

Dr. Mallikarjun B. Chougala

Dr. B. Y. Sathish Kumar

Assistant Professor and Head
Postgraduate Department of Biotechnology

J. S. S. College of Arts, Commerce & Science
Ooty Road, Mysore - 570025

Examiners:

1.

2.

Place: Mysuru

Prof. M. Mahadevappa

Principal, JSSCACS

Ooty road, Mysore - 25.

Principal

J. S. S. COLLEGE

Ooty Road, Mysore 570025

**STUDY ON RECOMBINANT PROTEIN PURIFICATION
FROM *E.coli***

Project report

Submitted in partial fulfillment of the requirements for the award of the degree Post
Graduate Diploma in PROTEIN EXPRESSION AND SCALE-UP under
Biotechnology Skill Enhancement Programmer (BiSEP)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by

ASWINI T M

Reg.No.JB1170061

II SEMESTER

Under the guidance of

MR.ANANDHAN.M

SENIOR RESEARCH SCIENTIST,

RICHCORE LIFESCIENCES PVT.LTD,

BOMMASANDRA -JIGANI LINK ROAD,

K.J.A.D.B INDUSTRIAL AREA, BENGALURU.

SEPTEMBER-2019

September- 2019

JSSCOLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled is a bonafide work carried out by ASWINI T M in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under **Biotechnology Skill Enhancement Programme** sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India.

GUIDE: 

Signature of the Guide

Mr. Anandhan M,

Senior Research Scientist,
Richcore Life sciences PVT.LTD,
Bommasanadru-Jigani Link Road,
Bengaluru - 560105.





Dr. B.Y. Sathish Kumar
Co-ordination, JSS BiSEP
Assistant Professor and Head,
PG Dept. of Bio-Technology

Examiners:

1. 

2. 

Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.

Place: Mysore

Date: 12/10/19

**Functional Screening and Validation of rabbit
recombinant antibodies**

Project report

Submitted in partial fulfillment of the requirements for the award of the
degree Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-
UP under Biotechnology Skill Enhancement Programme (BiSEP)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by

Mr. Mahesh Halabhavi

Reg. No. JB118004

II Semester

Under the guidance of

Mr/Dr. Ketkar, Alhad A

Scientist-III, Thermo Fisher Scientific Second Floor, First Technology Place, 3EPIP,
Whitefield, Bengaluru, Karnataka 560066

September- 2019

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled 'Functional Screening and Validation of Rabbit recombinant antibodies'. is a bonafied work carried out by Mr. Mahesh Babbhavi (Reg.no. JB118004) in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under **Biotechnology Skill Enhancement Programme** sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India.

GUIDE:

Aradhya
9.10.19

Mr/Dr. Ketkar, Alhad A

Scientist-III, Thermo Fisher Scientific

Examiners:

1. *C.L. Sankar*

2. *B.Y. Sathish Kumar*

Place: Mysore

Date: 12/10/19

B.Y. Sathish Kumar

Dr. B.Y. Sathish Kumar
Co-ordinator, JSS BiSEP
Assistant Professor and Head,
PG Dept. of Bio-Technology

Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.

**INVESTIGATION OF BIOLOGICAL ACTIVITIES FROM
THE METHANOLIC EXTRACTS OF
MORUS ALBA LEAVES**



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

NANDINI K R

Reg. No. JBT17015

IV Semester

Under the guidance of

Mr. ABIGNAN GURUKAR M S

ASSISTANT PROFESSOR

PG DEPARTMENT OF BIOTECHNOLOGY

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

OOTY ROAD, MYSORE-570025

MAY-2019

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

Ooty Road, Mysore - 570025



CERTIFICATE

Certified that project report entitled 'INVESTIGATION OF BIOLOGICAL ACTIVITIES FROM THE METHANOLIC EXTRACT OF MORUS ALBA LEAVES' is a bonified work carried out by NANDINI K R (Reg.no. JBT17015) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018-2019

GUIDE:

Mr. ABIGNAN GURUKAR M S
Assistant Professor
Department of Biotechnology

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore 570 025

Examiners:

- 1.
- 2.

Prof. M. Mahadevappa
Principal, JSSCACS

Place: Mysore
Date:

Ooty road, Mysore - 25
JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 25

**CLINICAL STUDY TO EVALUATE SAFETY AND EFFICACY
OF A DERIVATIVE OF D-GLUCOPYRANOSIDE IN
PATIENTS WITH TYPE-II DIABETES MELLITUS**

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of Master of Science
(M.Sc.) degree in Biotechnology of University of Mysore



Submitted by

PRANATHI HUBLI

Reg. No. JBT17017
IV Semester

Under the guidance of

DR. B. Y. SATHISH KUMAR

Head of Postgraduate Department
Bio-Technology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
OOTY ROAD, MYSORE - 570025

JSS Mahavidyapeetha
COLLEGE OF ARTS, COMMERCE AND SCIENCE

OOTY ROAD, MYSORE - 570025

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

PG DEPARTMENT OF BIOTECHNOLOGY




CERTIFICATE

Certified that project report entitled 'CLINICAL STUDY TO EVALUATE SAFETY AND EFFICACY OF DERIVATIVE OF D-GLUCOPYRANOSIDE IN SUBJECTS WITH TYPE-II DIABETES MELLITUS.' is a bonified work carried out by Ms. PRANATHI HUBLI, (Reg.no. JBT17017) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018-19.

GUIDE:

1. Mrs. Sonika Handae
Zetalix solutions
2. Dr. B. Y. Sathish Kumar
Head Postgraduate Department
Bio-Technology



Dr. B. Y. Sathish Kumar
Head Postgraduate Department
PG Dept. of Biotechnology

J. S. S. College of Arts, Commerce & Science
Ooty Road, Mysore - 570 025

Signature of the Guide

Examiners:

1. 
- 2.


Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.
Principal

J. S. S. COLLEGE
Ooty Road, Mysore-570 025

Place: Mysore

Date: 6/5/19

**Protein Quantitation Using Various Modes of High Performance
Liquid Chromatography**

Project report

Submitted in partial fulfillment of the requirements for the award of the
degree Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-
UP under Biotechnology Skill Enhancement Programme (BiSEP)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by

Mr Kiran Muchadi

Reg. No. JB117003

II Semester

Under the guidance of

Dr. Nandakumar Sundaramoorthy

Senior Scientist, Stelis Bio Pharma, Jigani Link Road

Bangalore

March - 2019

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

I certified that project report entitled "*Protein Quantitation using various modes of High Performance Liquid Chromatography*" of the requirements for the award of the degree of *Postgraduate Diploma in Protein Expression and Scale-up under Biotechnology Skill Enhancement Programme* sanctioned and supported by *KTech, Govt. of Karnataka & DBT, Govt. of India* during the year 2018-2019.

GUIDE:

[Signature]
Dr. Nandakumar Sundaramoorthy
Senior Scientist, *Shree Biopharma Pvt Ltd, Bangalore*



Examiners:

- [Signature]*
- [Signature]*

Place: Mysore

Date: 18/5/2019

[Signature]

Head of the Department
Dr. B. Y. Sathish Kumar
Co-ordinator, JSS BTEFS
Assistant Professor and Head,
PG Dept. of Bio-Technology

[Signature]
Prof. M. Mahadevappa
Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

**CLINICAL STUDY TO EVALUATE SAFETY AND EFFICACY
OF A DERIVATIVE OF β -D GLUCOPYRANOSIDE IN
PATIENTS WITH TYPE-II DIABETES MELLITUS**

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. SAMYAMI DP

Reg. No. JBT17021

IV Semester

Under the guidance of

Dr. B. Y. Sathish Kumar

Assistant Professor and Head

Postgraduate Department of Bio-Technology

May – 2019

JSS Mahavidyaapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

Ooty Road, Mysore - 570025



CERTIFICATE

Certified that project report entitled '**CLINICAL STUDY TO EVALUATE SAFETY AND EFFICACY OF A DERIVATIVE OF b-D GLUCOPYRANOSIDE IN PATIENTS WITH TYPE-II DIABETES MELLITUS.**' is a bonified work carried out by Ms. SAMYAMI D.P. (Reg.no. JBT17021) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018-19.

GUIDE: Sonika Handae
Zetallix solutions

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology

Name & Signature of the Guide

Examiners:

1. *[Signature]*
2. *[Signature]*

Place: Mysore

Date:

[Signature]
Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology
JSS College of Arts, Commerce & Science
Ooty road Mysore - 570 025

[Signature]
Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.

Principal
J. S. S. COLLEGE
Ooty Road, Mysore-570 025

SiRNA optimization for antibody validation

Project report

Submitted in partial fulfillment of the requirements for the award of the degree Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-UP under Biotechnology Skill Enhancement Programme (BiSEF)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by,

Pragnyashree M.S

Reg. No. JBI18007

II Semester

Under the guidance of

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Scientist III, Protein biology

Thermo Fisher Scientific

First technology place, 3EPIP, Whitefield, Bengaluru,

Karnataka 560066

October - 2019

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled 'siRNA Optimization for Antibody Validation' is a bonafide work carried out by Ms. Pragnyashree M.S (JBI18007) in partial fulfillment of the requirements for the award of the degree of **Postgraduate Diploma in Protein Expression and Scale-up** under **Biotechnology Skill Enhancement Programme** sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India.

GUIDE:

Vidhi
10/10/19

Dr. Vidhipuri

B.Y. Sathish Kumar

Dr. B.Y. Sathish Kumar
Co-ordinator, JSS BiSEP
Assistant Professor and Head,
PG Dept. of Bio-Technology

Examiners:

- C.V. Sankar*
- B.Y. Sathish Kumar*

Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.

Place: Mysore

Date: 12/10/19

**CLINICAL STUDY TO EVALUATE SAFETY AND EFFICACY
OF A DERIVATIVE OF b-D GLUCOPYRANOSIDE IN
PATIENTS WITH TYPE-II DIABETES MELLITUS**

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. SAMYAMI DP

Reg. No. JBT17021

IV Semester

Under the guidance of

Dr. B. Y. Sathish Kumar

Assistant Professor and Head

Postgraduate Department of Bio-Technology

May – 2019

JSS Mahavidyaapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE -570025



CERTIFICATE

Certified that project report entitled '**CLINICAL STUDY TO EVALUATE SAFETY AND EFFICACY OF A DERIVATIVE OF h-D GLUCOPYRONOSIDE IN PATIENTS WITH TYPE-II DIABETES MELLITUS.**' is a bonified work carried out by Ms. **SAMYAMI D.P.** (Reg.no. **JBT17021**) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year **2018-19.**

GUIDE: Sonika Handae
Zetalk solutions

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology
Name & Signature of the Guide

Examiners:

- 1.
- 2.

Place: Mysore
Date:

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology
JSS College of Arts, Commerce & Science
Ooty road Mysore-570025

Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.

**Clinical Trial To Assess The Safety And Efficacy Of Extra
Moisturizing Baby Wipes On The Skin Of The Baby**



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfilment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Harshitha.P.T

Reg. No: JBT17011

IV Semester

Under the guidance of

Dr. B.Y. Sathish Kumar

Head of the Department

May - 2019

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

Ooty Road, Mysore - 570025



CERTIFICATE

Certified that project report entitled 'Clinical Trial To Assess The Safety And Efficacy Of Ultra Moisturizing Baby Wipes On The Skin Of The Baby' is a benified work carried out by Harshitha, P.T (Reg.no: JBT17011) in partial fulfilment of the requirements for the award Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018 - 2019.

GUIDE:

1. Sonika G

Director, Clinical Operations,
Zetalix solutions

Dr. B. Y. Sathish Kumar

Assistant Professor and Head

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce & Science

Ooty Road, Mysore - 570025

2. Dr. B. Y. Sathish Kumar

Examiners:

1.

2.

Prof. M. Mahadevappa

Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science

Ooty Road, MYSURU-25

Biological evaluation of *Nyctanthes arbortristis*



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of
Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms.Suraksha B.K

Reg. No. JBT17032

IV Semester

Under the guidance of

ABHIGNAN Gurukar, M.Sc.,

Assistant professor

PG Department of Biotechnology

May-2019

Jss Mahavidyapeeta

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

Ooty Road, Mysore - 570025



CERTIFICATE

It is certified that project report entitled 'Biological evaluation of Nyctanthes arbor-tritica' is submitted and carried out by Ms. Suraksha B.K (Reg. no. JBT17032) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018-19.

M.S. Abhinav Gurukul
Abhinav Gurukul

M. Sc.,
Assistant professor
PG Department of Biotechnology

B.Y. Sathish Kumar

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Biotechnology
J.S.S. College of Arts, Commerce & Science
Ooty Road, Mysore - 570025

Examiners

- [Signature]*
- [Signature]* 7.6.19/2019

Place: Mysore
Date:

[Signature]
Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.

Principal
J. S. S. COLLEGE
Ooty Road, Mysore-570 025

**BIOLOGICAL EVALUATION OF INDOLIZINE
DERIVATIVES**

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

In partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. VARSHITHA P.J

Reg. No. JBT17033

IV Semester

Under the guidance of

Dr.MALLIKARJUN B. CHOUGALA

Designation

May – 2019

JSS Mahavidyalaya

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled 'BIOLOGICAL EVALUATION OF INDOLIZINE DERIVATIVES' is a bonified work carried out by Ms. VARSHITHA P.J (Reg.no..JBT17033) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018 - 19.

GUIDE:

Dr. Mallikarjun B. Chougala

Dr. B. Y. Sathish Kumar

Assistant Professor and Head
Postgraduate Department of Biotechnology

J.S.S. College of Arts, Commerce & Science

Ooty Road, Mysore - 570025

Examiners:

1.

2.

Place: Mysuru

Prof. M. Mahadevappa
Principal, JSSCACS

Ooty road, Mysore - 25.

Principal

J. S. S. COLLEGE

Ooty Road, Mysore-570025

**Clinical Trial To Assess The Safety And Efficacy Of Sensitive
Baby Wipes On The Skin Of The Baby.**



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfilment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Shruthi M G

Reg. No: JBT17031

IV Semester

Under the guidance of

Dr. B.Y. Sathish Kumar

Head of the Department

May – 2019

JSS Mahavidyaapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled 'Clinical Trial To Assess The Safety And Efficacy Of Sensitive Baby Wipes On The Skin Of The Baby' is a benified work carried out by Shruthi M.G (Reg.no. JBT17031) in partial fulfilment of the requirements for the award of Master of science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018 - 2019.

GUIDE:

1. Sonika G

Director, Clinical Operations

Zetalix solutions

Dr. B. Y. Sathish Kumar

Head of the Department
Assistant Professor and Head

Postgraduate Department of Bio-Technology
JSS College of Arts, Commerce & Science

Ooty Road, Mysore - 570025

2. Dr. B. Y. Sathish Kumar

Examiners:

1. Devi. K. F.

2.

Prof. M. Mahadevappa

Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

**Clinical Research Study to Evaluate the Effect of AMR101 on
Cardiovascular Health and Mortality in Hypertriglyceridemic
Patients with High Risk for Cardiovascular Disease**

Project Report

Submitted to the

Postgraduate Department of Biotechnology



JSS College of Arts, Commerce and Science

**In partial fulfillment of the requirements for the award of
Master of Science (M.Sc.) degree in Biotechnology of University of Mysore**

Submitted by

Ms. Divya H.D

Reg. NO: JBT17007 (IV Semester)

Under the guidance of

Dr. B.Y Sathish Kumar

**Assistant Professor and Head
Postgraduate Department of Bio-Technology
JSS college of Arts, Commerce and Science
Ooty road –Mysore**

May – 2019

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled '**Clinical Research Study to Evaluate the Effect of AMR101 on Cardiovascular Health and Mortality in Hypertriglyceridemic Patients with High Risk for Cardiovascular Disease**' is a bonified work carried out by Ms. Divya H.D (Reg.no. JBT17007) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018 - 2019.

GUIDE:

Ramya KN

1. Mrs. Ramya KN

Clinical research coordinator
Columbia Asia hospital
Mysore

B. Y. Sathish Kumar
Dr. B. Y. Sathish Kumar

Assistant Professor and Head

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

Mysore

2. Dr. B.Y Sathish Kumar

M. Mahadevappa

Prof. M. Mahadevappa

Principal, JSSCACS

Ooty road, Mysore - 25.

J.S.S. College

Ooty Road, Mysore-570 025

Examiners:

1. *Deem. F. X*

2.

Place: Mysore

Date:

**A Clinical study to evaluate the efficiency and safety of
Investigational product Cognique in improving normal
cognitive function in Healthy Volunteers.**

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. Disha. S

Reg. No. JBT17006

IV Semester

Under the guidance of

Dr. B. Y. Sathish Kumar

**Assistant Professor and Head
Postgraduate Department of Bio-Technology**

May – 2019

JSS Mahavidyaapeetha
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled 'A CLINICAL STUDY TO EVALUATE THE EFFICIENCY AND SAFETY OF INVESTIGATIONAL PRODUCT COMBINATION IN IMPROVING NORMAL COGNITIVE FUNCTION IN HEALTHY VOLUNTEERS' is a bonified work carried out by Ms. Disha, S (Roll no. JBT17006) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018 - 19.

GUIDE:

Mrs. Sonika Handae
Accelare Institute of Clinical
Research
Dr. B. Y. Sathish Kumar

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology

Examiners:

1.

2.

Place: Mysore

Date: 6/5/19

Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25,
J.S.S. College
Ooty Road, Mysore-570 025

**Clinical research to evaluate the effect of Canagliflozin on Renal
and Cardiovascular Outcomes in subjects with Type2 Diabetes
Mellitus and Diabetic Nephropathy**



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

GREESHMA BHAT

Reg. No. JBT17009

IV Semester

Under the guidance of

Dr. Sathish kumar M. Sc., Ph. D.

ASSISTANT PROFESSOR AND HEAD

PG DEPARTMENT OF BIOTECHNOLOGY

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

OOTY ROAD, MYSORE-570025

MAY-2019

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

It is certified that project report entitled 'Clinical Research to Evaluate the Effects of Canagliflozin on Renal and Cardiovascular Outcomes in Subjects With Type 2 Diabetes Mellitus and Diabetic Neuropathy' is a bonified work carried out by Ms.Greeshma Bhat (Reg.no. JBT17009) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018 - 19.

GUIDE:

1.Ramya K.N.


Clinical research coordinator,

Columbia Asia Hospital, Mysore.

Signature: 

2.Dr.B.Y. Sathish Kumar


Signature:


Dr. B. Y. Sathish Kumar
Head of the Dept. of
Assistant Professor and Head
of the Dept. of Biotechnology
Postgraduate Department of Bio-Technology
J.S.S. College of Arts, Commerce & Science
Ooty road Mysore - 570025

Examiners:

1.  .K.R.

2.


Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.
PRINCIPAL
J.S.S. College
Ooty Road, Mysore-570 025

**Clinical study for evaluation of mildness and gentleness
of the Baby Laundry Wash on the skin and clothes of the
baby and the mother**

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. SAGARIKA I P

Reg. No. JBT17020

IV Semester

Under the guidance of

Dr. B.Y. SATHISH KUMAR

Head of the department

May – 2019

JSS Mahavidyalayam

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025




CERTIFICATE

Certified that project report entitled 'Clinical study for evaluation of mildness and gentleness of the Baby Laundry Wash on the skin and clothes of the baby and the mother' is a bonified work carried out by Ms. Sagarika.I.P. (Reg.no. JBT17020) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018 - 19.

GUIDE:


Mrs. Sonika Handae
Accelare Institute of Clinical Research
Dr. B.Y. Sathish Kumar


Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Biotechnology
J.S.S. College of Arts, Commerce & Sciences
Ooty road, Mysore - 570 025

Signature of the guide

Examiners:

- 
-


Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.
PRINCIPAL
J.S.S. College
Ooty Road, Mysore-570 025

Place: Mysore
Date:

**“Cloning and Expression of Recombinant Protein in
Pichia pastoris”**

Project report

Submitted in partial fulfillment of the requirements for the award of the degree
Post Graduate Diploma in “PROTEIN EXPRESSION AND SCALE-UP”
under Biotechnology Skill Enhancement Programme (BiSEP)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by

Ms.H.R.GNANAVI

Reg. No. JB117002

II Semester

Under the guidance of

Mr. Sanjay Kumar Hirasker

Research Scientist

Richcore Lifesciences Pvt. Ltd.

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled "*Cloning and Expression of Recombinant Protein in Pichia pastoris*" is a bonafide work carried out by Ms H.R.GNANAVI in partial fulfillment of the requirements for the award of the degree of "**Postgraduate Diploma in Protein Expression and Scale-up**" under "**Biotechnology Skill Enhancement Programme**" sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India during the year 2018-2019.

GUIDE:

Signature

A. Sanjay Kumar
Mr. Sanjay Kumar Hirasker



B.Y. Sathish Kumar
Dr. B.Y. Sathish Kumar

Co-ordinator, JSS BTPS

Assistant Professor and Head,

PG Dept. of Bio-Technology

Duty Road, Mysore 570 025

M. Mahadevappa

Prof. M. Mahadevappa

PRINCIPAL

JSS College of Arts, Commerce & Science

Duty Road, MYSURU - 25.

Examiners:

- C. S. Sankaranarayanan*
- R. S. Sankaranarayanan*

Place: Mysore

Date: 18/12/2019

*Separation of Proteins by Consecutive Sodium Dodecyl Sulfate (SDS)-
Polyacrylamide Gel Electrophoresis and High Performance Liquid
Chromatography*

Project report

Submitted in partial fulfillment of the requirements for the award of the
degree Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-
UP under Biotechnology Skill Enhancement Programme (BiSEP)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by

Mr. Praveen N M

Reg. No. JBII7007

II Semester

Under the guidance of

Dr. NANDAKUMAR SUNDARAMOORTHY

Senior Scientist, Stelis Bio Pharma, Jigani Link Road

Bangalore

March - 2019

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025




JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

I certified that project report entitled "Separation of Proteins by Consecutive Sodium Dodecyl Sulfate (SDS)-Polyacrylamide Gel Electrophoresis and High Performance Liquid Chromatography" is a bonified work carried out by Mr. Praveen N M (Reg.No. JBI17007) in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under **Biotechnology Skill Enhancement Programme** sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India during the year 2018-2019.

GUIDE:


Dr. Nandakumar S. Srinivasan
Senior Scientist, State Biopharma Pvt
Ltd, Bangalore



Examiners:

- 
- 

Place: Mysore

Date:


Head of the Department
Dr. B. Y. Srinika
Coordinator, JSS Biotech & Science
Assistant Professor and Head,
PG Dept. of Bio-Technology


Prof. M. Mahadevappa
Principal, JSSACS
Ooty road, Mysore - 25.
PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

CLONING AND EXPRESSION OF RECOMBINANT PROTEIN IGN IN *E.coli*

Project report

Submitted in partial fulfillment of the requirements for the award of the degree
Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-UP under
Biotechnology Skill Enhancement Programme (BiSEP)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by

MS. ANJU SHARMA

Reg.No. JBI 17001

II Semester

Under the guidance of

Mr. BALU.P

Scientist, Richcore lifesciences, Jigani Link Road, Bangalore

March - 2019

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

I certify that project report entitled "CLONING AND EXPRESSION OF RECOMBINANT PROTEIN IN *E.coli*" is a bonafide work carried out by MS. ANJU SHARMA (Reg.No. JB1001) in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under Biotechnology Skill Enhancement Programme sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India during the year 2018-2019.

GUIDE:

Mr. Balu P

Scientist, Richcore Lifescience

Jigani Link Road

Bangalore



Dr. B.N. Sathish Kumar
Coordinator, JSS BTES
Assistant Professor and Head,
PG Dept. of Bio-Technology

Examiners:

- 1.
- 2.

Place: Mysore

Date: 18/3/2019

Prof. M. Mahadevappa
Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

**Laundry Detergent Science and Enzyme Applications in Cleaning
Products**

Project report

Submitted in partial fulfilment of the requirements for the award of the
degree Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-
UP under Biotechnology Skill Enhancement Programme (BiSEP)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025

Submitted by

Ms MANASA S

Reg. No. JB117005

II Semester

Under the guidance of

Mrs RASHMI SRIKANTH

Team Lead Technical Services

HHC Novozymes, Bangalore.

March - 2019

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

I certified that project report entitled "*Laundry Detergent Science and Enzyme Applications in Cleaning Products*" is a bonified work carried out by Ms. Manasa S (Reg. No. JBI17005) in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under **Biotechnology Skill Enhancement Programme** sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India during the year 2018-2019.

GUIDE:


Mrs. Rashmi Srikanth

Team Lead, Technical Service HHC.


Novozymes, Bangalore.




Dr. B.Y. Sathish Kumar
Co-ordinator, JSS BTFS
Assistant Professor and Head,
PG Dept. of Bio-Technology & Science

Examiners:

- 
- 


Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.

PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

Place: Mysore

Date:

**Clinical Trial To Assess The Safety And Efficacy Of Extra
Moisturizing Baby Wipes On The Skin Of The Baby**



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfilment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Harshitha.P.T

Reg. No: JBT17011

IV Semester

Under the guidance of

Dr. B.Y. Sathish Kumar

Head of the Department

May – 2019

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE -570025



CERTIFICATE

Certified that project report entitled 'Clinical Trial To Assess The Safety And Efficacy Of Extra Moisturizing Baby Wipes On The Skin Of The Baby' is a benified work carried out by Harshitha.P.T (Reg.no. JBT17011) in partial fulfilment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018 - 2019.

GUIDE:

1. Sonika G

Director, Clinical Operations,
Zetalix solutions

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio Technology
& B College of Arts, Commerce & Science
Ooty Road, Mysore - 570 025

2. Dr. B. Y. Sathish Kumar

Examiners:

- 1.
- 2.

Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.

PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

Recombinant Protein Purification Derived From *Pichia pastoris*

Project report

Submitted in partial fulfillment of the requirements for the award of the degree Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-UP under Biotechnology Skill Enhancement Programme (BiSEP)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by

Ms. KOUNAIN FATHIMA

Reg. No. JBI17004

II Semester

Under the guidance of

Mr. ANANDHAN . M

Sr. Scientist

Richcore Lifesciences Pvt. Ltd.

March - 2019

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled 'recombinant protein 'Protein Purification Derived From *Picis pastoris*' is a bonified work carried out by Ms. KOUNAIN FATHIMA (Reg.no. JBI17004) in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under Biotechnology Skill Enhancement Programme sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India during the year 2018-2019.

GUIDE:

M. Anandhan
15/03/19

Signature of the Guide

Mr. Anandhan . M

Examiners:

1. C.R. Sankar

2. Pradeep

Place: Mysore

Date: 18/03/2019

B.Y. Sathish Kumar

Dr. B.Y. Sathish Kumar
Head of the Department
Coordinator, JSS BTFS

Assistant Professor and Head,
PG Dept. of Bio-Technology
JSS College of Arts, Commerce & Science
Guty Road, Mysore - 570 025

Prof. M. Mahadevappa

PRINCIPAL
JSS College of Arts, Commerce & Science
Guty Road, Mysore - 25.

**INVESTIGATION INTO THE MULTIPLE BIOLOGICAL
ACTIVITIES FROM HEXANE EXTRACT OF *EPIPHYLLUM
OXYPETALUM***



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of
Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

SHARATH KP

Reg. No. JBT17026

IV Semester

Under the guidance of

Dr. Rekha N.D. M. Sc., Ph. D.

ASSISTANT PROFESSOR
PG DEPARTMENT OF BIOTECHNOLOGY
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
OOTY ROAD, MYSORE-570025

MAY-2019

JSS Mahavidyaapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled '**INVESTIGATION INTO THE MULTIPLE BIOLOGICAL ACTIVITIES FROM THE HEXANE EXTRACT OF EPIPHYLLUM OXYPETALUM**' is a bonafide work carried out by **SHARATH K P** (Reg.no. JBT17026) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018-2019

GUIDE:

Dr. Rekha N.D.

Dr. Rekha N.D. M.Sc., Ph.D
Assistant Professor
Department of Bio-Technology

Dr. B. Y. Sathish Kumar

Dr. B. Y. Sathish Kumar
Assistant Professor & Head
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570025

Examiners:

1. *Dr. Rekha N.D.*

2. *Dr. Rekha N.D.*

Dr. M. Mahadevappa

Dr. M. Mahadevappa
Principal, JSSACS
Ooty road, Mysore - 25.

Place: Mysore

Date: 6/5/2019

PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

Isolation, identification and characterization of secondary metabolites producing endophytic bacteria from mulberry bark

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. CHINTHANA.S

JBT18006

IV Semester

Under the guidance of

1. Dr. MADHUSUDHAN. K. N

Scientist-D

Bivoltine Breeding Lab, CSRTI, CBS, Mysore.

2. Dr. B. Y. SATHISH KUMAR

Assistant professor and head postgraduate department of Bio-technology,

JSS college of arts, commerce & science, Ooty road, Mysore.

JSS Mahavidyapectha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled "Isolation, identification and characterization of secondary metabolites producing endophytic bacteria from mulberry bark" is a bonified work carried out by Ms. CHINTHANA S (Reg. no. JBT18006) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019-2020.

GUIDE: Dr. Madhusudhan. K. N

Dr. B. Y. Sathish Kumar

Dr. B. Y. Sathish Kumar

Assistant Professor and Head

Postgraduate Department of Bio-Technology

Head of the Department

PG Dept. of Biotechnology

JSS College of Arts, Commerce & Science

Ooty Road, Mysore - 570 025

Examiners:

1.

2.

Prof. H.C. HONNAPPA

Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

**Biochemical Characterization of Bismuth Vanadate (BiVO_4)
and Zirconium Phosphate (ZrP) Nanoparticles**



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. NAGASHREE H.J

Reg. No.JBT17014

IV Semester, M.Sc., Bio-Technology

Under the guidance of

Mr. VASANTH PATIL H.B

M.Sc., BTFS, KSET

Assistant Professor

PG Department Of Biotechnology

JSS College of Arts, Commerce and Science, Ooty Road, Mysuru-570025

MAY-2019

JSS Mahavidyalayapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certificate that project report entitled 'Biochemical Characterization of Bismuth Vanadate (BiVO_4) and Zirconium Phosphate (ZrP) Nanoparticles' is a bonafide work carried out by **Ms. NAGASHREE H.J** (Reg.no.JBT17014) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018-2019.

GUIDE:

Mr. Vasanth Patil H.B
Assistant Professor
PG Department of Bio-Technology

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570 025

Examiners:

1.

2.

Prof. M. Mahadevappa
Principal, JSSCACS

Ooty road, Mysore - 25
JSS College of Arts, Commerce & Science
Ooty Road, MYSORE-25

Place: Mysore

Date:

STUDY ON RECOMBINANT PROTEIN PURIFICATION FROM *Pichia pastoris*

Project report

Submitted in partial fulfillment of the requirements for the award of the degree Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-UP under Biotechnology Skill Enhancement Programmer (BiSEP)

TO

Postgraduate Department of Biotechnology



S COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by

PAVITHRA.P

Reg.No.JBI18006

II SEMESTER

Under the guidance of

MR.ANANDHAN.M

SENIOR RESEARCH SCIENTIST,

RICHCORE LIFESCIENCES PVT.LTD,

BOMMASANDRA -JIGANI LINK ROAD,

K.L.A.D.B INDUSTRIAL AREA, BENGALURU.

SEPTEMBER-2019

JSSCOLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled is a bonafide work carried out by PAVITHRA.P in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under Biotechnology Skill Enhancement Programme sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India.

GUIDE: M. Anandhan

Signature of the Guide

Mr. Anandhan M,

Senior Research Scientist,
Richcore Life sciences PVT.LTD,
Bommasnadra-Jigani Link Road,
Bengaluru - 560105.



B.Y. Sathish Kumar

Dr. B.Y. Sathish Kumar
Co-ordination, JSS BiSEP
Assistant Professor and Head,
PG Dept. of Bio-Technology

Examiners:

1. C.L. Sathish Kumar

2. B.Y. Sathish Kumar

Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.

Place: Mysore

Date: 12-10-19

**Primary Screening In Affinity Process And Depletion As POC
For Process Improvement
Project report**

Submitted in partial fulfillment of the requirements for the award of the
degree Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-
UP under Biotechnology Skill Enhancement Programme (BiSEP)

TO

Postgraduate Department of Biotechnology



SS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by

Ms. Manisha Thakur

Reg.no JBI18005

II Semester

Under the guidance of

Ms. Darshana Raghavan

Scientist-II,

ThermoFisher Scientific, Bengaluru

September - 2019

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled "**Primary Screening in Affinity Process and Depletion as POC for Process Improvement**" is a bonafied work carried out by Ms. Manisha Thakur (Reg.no JBI18005) in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under **Biotechnology Skill Enhancement Programme** sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India.

GUIDE: *Darshana*

[DARSHANA RAGHAVAN] angalore



B.Y. Sathish Kumar

Dr. B.Y. Sathish Kumar
Co-ordinator, JSS BiSEP
Assistant Professor and Head,
PG Dept. of Bio-Technology

Examiners:

1. *C.L. Sankar*

2. *B.Y. Sathish Kumar*

Place: Mysore

Date: 12/Oct/2019

Prof. M. Mahadevappa

Principal, JSSCACS

Ooty road, Mysore - 25.

**Edible Coating for Seasonal Fruit: Herbal extract reinforced
biopolymer for Shelf Life Extension**



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. D. SARANYA

Reg. No. JBT17023

IV Semester, M.Sc., Bio-Technology

Under the guidance of

Mr. VASANTH PATIL H.B

M.Sc., BTFS, KSET

Assistant Professor

PG Department Of Biotechnology

JSS College of Arts, Commerce and Science, Ooty Road, Mysuru-570025

MAY-2019

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)


OOTY ROAD, MYSORE -570025




CERTIFICATE

Certified that project report entitled '**Edible Coating for Seasonal Fruit: Herbal extract reinforced biopolymer for Shelf Life Extension**' is a bonafide work carried out by **Ms.D SARANYA** (Reg.no.JBT17023) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018-2019



GUIDE:


Mr. Vasanth Patil H.B.
Assistant Professor
PG Department of Bio-Technology


Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology

JSS College of Arts, Commerce & Science
Ooty road, Mysore - 570025

Examiners:

- 
- 


Prof. M. Mahadevappa
Principal, JSSCACS

Ooty road, Mysore - 25.

JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

Place: Mysore

Date: 6-5-19

**Clinical study for evaluation of mildness and gentleness
of the Baby Laundry Wash on the skin and clothes of the
baby and the mother**

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. SAGARIKA I P

Reg. No. JBT17020

IV Semester

Under the guidance of

Dr. B.Y. SATHISH KUMAR

Head of the department

May – 2019

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE -570025




CERTIFICATE

Certified that project report entitled 'Clinical study for evaluation of mildness and gentleness of the Baby Laundry Wash on the skin and clothes of the baby and the mother' is a bonified work carried out by Ms. Sagarika.I.P. (Reg.no. JBT17020) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018 - 19.

GUIDE:

Mrs. Sonika Handae
Accelare Institute of Clinical Research
Dr. B.Y. Sathish Kumar


Dr. B. Y. Sathish Kumar,
Assistant Professor and Head
Postgraduate Department of Bio-Technology,
JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570 025

Signature of the guide

Examiners:

- 
- 


Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.
J.S.S. College
Ooty Road, Mysore-570 025

Place: Mysore

Date:

LARGE SCALE PURIFICATION OF MONOCLONAL ANTIBODIES

Project report

Submitted in partial fulfillment of the requirements for the award of the degree
Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-UP under
Biotechnology Skill Enhancement Programme (BiSEP)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by

Ms. Durga Venugopal

Reg. No. JBI19001

II Semester

Under the guidance of

Mr. Sudarshan Reddy

Sr. Scientist

Kemwell Biopharma Pvt.Ltd.

Nelamangala, Bengaluru

JSSCOLLEGE OF ARTS, COMMERCE AND SCIENCE

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MYSORE - 570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled 'Large scale Purification of Monoclonal antibodies' is a bonafied work carried out by **Ms. Durga Venugopal** (Reg.no. JBI19001) in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under **Biotechnology Skill Enhancement Programme** sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India.

Examiners:

1. *Dr. Hemanth S. Bhat*
2. *B. Y. Sathish Kumar*

Dr. B.Y. Sathish Kumar
Co-ordinator, JSS BiSEP
Assistant Professor and Head,
PG Dept. of Bio-Technology

Principal, JSSCACs
Ooty road, Mysore - 25.

PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road MYSURU-25

Place: Mysore

Date:

**Delayed Ripening of *Psidium guajava*: Edible Polymer Coating
Re-Inforced with Plant Biomolecules**



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. Navyashree K.N

Reg. No. JBT17016

IV Semester, M.Sc., Bio-Technology

Under the guidance of

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MAY-2019

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

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CERTIFICATE

Certified that project report entitled '**Delayed Ripening of *Psidium guajava*: Edible Polymer Coating Re-Inforced with Plant Biomolecules**' is a bonafide work carried out by **Ms. Navyashree K.N** (Reg.no. JBT17016) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018-2019

GUIDE:

Mr. Vasanth Patil H.B
Assistant Professor
PG Department of Bio-Technology

Dr. B. Y. Sathish Kumar
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Examiners:

- 1.
- 2.

Prof. M. Mahadevappa
Principal, JSSCACS

Ooty road, Mysuru - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

Place: Mysuru

Date:

**BIOLOGICAL ACTIVITIES OF PYRROLO[1,2-
a]QUINOLINE DERIVATIVES**

Project Report

Submitted to the
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
in partial fulfillment of the requirements for the award of
Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Mr. VISHWANATH D.S

Reg. No. JBT17034

IV Semester

Under the guidance of

Dr. MALLIKARJUN B. CHOUGALA

Designation

May - 2019

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled 'BIOLOGICAL ACTIVITIES OF ERROLO[1,2-a]QUINOLINE DERIVATIVES' is a bonified work carried out by VISHWANATH D.S (Reg.no..JBT17034) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018 - 19.

GUIDE:

Dr. Mallikarjun B. Chougala

Dr. B. Y. Sathish Kumar
Assistant Professor and Head

Postgraduate Department of Biotechnology

J. S. S. College of Arts, Commerce & Science

Ooty Road Mysore - 570025

Examiners:

- 1.
- 2.

Place: Mysuru

Prof. M. Mahadevappa

Principal, JSSCACS

Ooty road, Mysore - 25.

Principal

J. S. S. COLLEGE

Ooty Road, Mysore-570 025

**CLINICAL STUDY TO EVALUATE SAFETY AND EFFICACY
OF A DERIVATIVE OF D-GLUCOPYRANOSIDE IN
PATIENTS WITH TYPE-II DIABETES MELLITUS**

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of Master of Science

(M.Sc.) degree in Biotechnology of University of Mysore



Submitted by

PRANATHI HUBLI

Reg. No. JBT17017

IV Semester

Under the guidance of

DR. B. Y. SATHISH KUMAR

Head of Postgraduate Department
Bio-Technology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

OOTY ROAD, MYSORE -570025

JSS Mahavidyapeetha
COLLEGE OF ARTS, COMMERCE AND SCIENCE
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PG DEPARTMENT OF BIOTECHNOLOGY




CERTIFICATE

Certified that project report entitled '**CLINICAL STUDY TO EVALUATE SAFETY AND EFFICACY OF DERIVATIVE OF DIGOXINOPYRANOSIDE IN SUBJECTS WITH TYPE-II DIABETES MELLITUS.**' is a bonified work carried out by Ms. PRANATHI HUBLI. (Reg.no. JBT17017) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018-19.



GUIDE:


1. Mrs. Sonika Handae
Zetalix solutions
2. Dr. B. Y. Sathish Kumar
Head Postgraduate Department
Bio-Technology


Dr. B. Y. Sathish Kumar
Head Postgraduate Department
PG Dept. of Biotechnology
JSS College of Arts, Commerce & Science
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Signature of the Guide

Examiners:

1. 
2. 


Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.
Principal
JSS COLLEGE
Ooty Road, Mysore-570 025

Place: Mysore

Date: 6/5/19

**Identification and Characterization of Recombinant Protein by using
multiple Analytical Methods**

Project report

Submitted in partial fulfillment of the requirements for the award of the
degree Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-
UP under Biotechnology Skill Enhancement Programme (BiSEP)

TO

Postgraduate Department of Biotechnology



J S COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by

Mr. R.VASHNI

Reg. No. JB117008

II Semester

Under the guidance of

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Senior Scientist, Stelis BioPharma, Jigani Link Road,
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March - 2019

JSSCOLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



JSS Biotechnology Skill Enhancement Program
Postgraduate Department of Biotechnology

CERTIFICATE

I certify that project report entitled "Identification and Characterization of Recombinant Protein by using multiple Analytical Methods" is a bonified work carried out by **Mr. R.VASHNI (Reg.No. JBI17008)** in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under **Biotechnology Skill Enhancement Programme** sanctioned and supported by **KTech, Govt. of Karnataka & DBT, Govt. of India** during the year **2018-2019**.

GUIDE:



Dr. Nandakumar Sundaramoorthy
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Dr. B.Y. Sathish Kumar
Co-ordinator, JSS BTES
Assistant Professor and Head,
PG Dept. of Bio-Technology

Examiners:

- 1.
- 2.

Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.
PRINCIPAL
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Ooty Road, MYSURU-25

BIOLOGICAL EVALUATION OF PURINE DERIVATIVES



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

SHREEDHAR G S

Reg. No. JBT17029

IV Semester

Under the guidance of

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Assistant Professor

Postgraduate Department of Bio-Technology

May - 2019

JSS MAHAVIDYAPEETA

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

It is hereby certified that project report entitled **Biological Evaluation of Purine derivatives** is a self-organized work carried out by Mr. SHREEDHAR G S (Reg.no. JBT17029) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018 - 19.

GUIDE: *Rekha N.D.*
Dr. Rekha N. D. Msc.Ph.D
Assistant Professor Postgraduate
Department of Bio-Technology

B. Y. Sathish Kumar
Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology
J. S. S. College of Arts, Commerce & Science
Ooty Road, Mysore - 570 025

Examiners:

- Jayaraman/01/19*
- Rekha N.D.*

Place: Mysore
Date: 6/5/2019

Mahadevappa
Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.

Principal
J. S. S. COLLEGE
Ooty Road, Mysore-570 025

**BIOLOGICAL ACTIVITIES FROM THE FRUIT EXTRACT
OF TERMINALIA CATAPPA**



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

SHILPA .P

Reg. No. JBT17027

IV Semester

Under the guidance of

Dr. Rekha N.D. M. Sc., Ph. D.

ASSISTANT PROFESSOR

PG DEPARTMENT OF BIOTECHNOLOGY

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

OOTY ROAD, MYSORE-570025

MAY-2019

JSS Mahavidya peetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE


(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)


GOTY ROAD, MYSORE - 570025





CERTIFICATE


Completed that project report entitled **BIOLOGICAL ACTIVITIES FROM THE FRUIT EXTRACT OF TERMINALIA CATAPPA** is a bonified work carried out by **SHILPA.P** (Reg.no. JBT17027) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018-2019

GUIDE 
Dr. Rekha N.D. M.Sc., Ph.D
Assistant professor Department of
Bio-Technology


Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology
JSS College of Arts, Commerce and Science
Goty Road, Mysore - 570025

Examiners:


Prof. M. Mahadevappa
Principal, JSSACS
Ooty road, Mysore - 25.

Place: Mysore

Date: 6/5/2019

**CLINICAL STUDY TO EVALUATE SAFETY AND EFFICACY
OF A DERIVATIVE OF D-GLUCOPYRANOSIDE IN
PATIENTS WITH TYPE-II DIABETES MELLITUS**

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of Master of Science

(M.Sc.) degree in Biotechnology of University of Mysore



Submitted by

SHREYALI TEJANNAWAR

Reg. No. JBT17030

IV Semester

Under the guidance of

DR. B. Y. SATHISH KUMAR

Head of Postgraduate Department
Bio-Technology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

OOTY ROAD, MYSORE -570025

JSS Mahavidyaapeetha
COLLEGE OF ARTS, COMMERCE AND SCIENCE

Ooty Road, Mysore - 570025

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

PG DEPARTMENT OF BIOTECHNOLOGY




CERTIFICATE

Certified that project report entitled '**CLINICAL STUDY TO EVALUATE SAFETY AND EFFICACY OF DERIVATIVE OF D-GLUCOPYRANOSIDE IN SUBJECTS WITH TYPE-II DIABETES MELLITUS.**' is a bonified work carried out by Ms. **SHREYALI TEJANNAWAR** (Reg.no. JBT17030) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in **Biotechnology** of University of Mysore during the year 2018- 19.

GUIDE:



1 Mrs. Sonika Handae
Zetalix solutions

2 Dr. B. Y. Sathish Kumar
Head Postgraduate Department
Bio-Technology


Dr. B. Y. Sathish Kumar
Head Postgraduate Department
PG Dept. of Biotechnology
J. S. S. College of Arts, Commerce & Science
Ooty Road, Mysore - 570 025

Signature of the Guide

Examiners:

1 
2 


Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.
Principal
J. S. S. COLLEGE
Ooty Road, Mysore-570 025

Place: Mysore

Date:

**BIOLOGICAL EVALUATION OF NiO NANOPARTICLES AND
SCHIFF BASES**



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of
Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

SHANTHI J

Reg. No. JBT17025

IV Semester, M.Sc., Bio-technology

Under the guidance of

Dr. REKHA.N.D MSc., Ph.D

Assistant Professor

Postgraduate Department of Bio-Technology

Jss college of arts , commerce and science, Ooty Road, Mysuru-570025

May – 2019

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled '**BIOLOGICAL EVALUATION OF NiO NANOPARTICLES AND SCHIFF BASES**' is a bonified work carried out by **SEETHI J** (Reg.no. JBT17025) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018-2019

GUIDE: *Rekha N.D*
Dr. Rekha N.D. M.Sc., Ph.D
Assistant professor
Department of Bio-Technology

B. Y. Sathish Kumar
Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore 570 025

Examiners:

1. *[Signature]*
2. *Rekha N.D*

[Signature]
Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.
PRINCIPAL
J. S. S. COLLEGE
Ooty Road, Mysore-570 025

Place: Mysore
Date: 6/5/2019

**Clinical research to evaluate the effect of Canagliflozin on Renal
and Cardiovascular Outcomes in subjects with Type2 Diabetes
Mellitus and Diabetic Nephropathy**



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

GREESHMA BHAT

Reg. No. JBT17009

IV Semester

Under the guidance of

Dr. Sathish kumar M. Sc., Ph. D.

ASSISTANT PROFESSOR AND HEAD

PG DEPARTMENT OF BIOTECHNOLOGY

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

OOTY ROAD, MYSORE-570025

MAY-2019

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE -570025



CERTIFICATE

Certified that project report entitled 'Clinical Research to Evaluate the Effects of Canagliflozin on Renal and Cardiovascular Outcomes in Subjects With Type 2 Diabetes Mellitus and Diabetic Nephropathy' is a bonified work carried out by Ms.Groshma Bhat (Reg.no. JBT17009) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018 - 19.

GUIDE:

1. Ramya K.N.
Clinical research coordinator,
Columbia Asia Hospital, Mysore.
Signature: *Ramya K.N.*
2. Dr. B.Y. Sathish Kumar

B.Y. Sathish Kumar
Head of the Department
Dr. B. Y. Sathish Kumar
PG Dept. of Biotechnology
Assistant Professor and Head
J.S.S. College of Arts, Commerce & Science
Postgraduate Department of Bio-Technology

Signature:

Examiners:

1. *[Signature]*
2. *B.Y. Sathish Kumar*

[Signature]
Prof. M. Makadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.
PRINCIPAL
J.S.S. College
Ooty Road, Mysore-570 025

**BIOLOGICAL ACTIVITY OF INDOLIZINE
DERIVATIVES**

Project Report

Submitted to the
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
in partial fulfillment of the requirements for the award of
Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms.GANAVI V

Reg. No. JBT17008

IV Semester

Under the guidance of

Dr.MALLIKARJUN B. CHOUGALA

Designation

May - 2019

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled 'BIOLOGICAL ACTIVITIES OF DOLIZINE DERIVATIVES' is a bonified work carried out by Ms.GANAVI V (Reg. No. JBT17008) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018-19.

WITNESSE:

Dr. Mallikarjun B. Chougala

Dr. B. Y. Sathish Kumar

Assistant Professor

Postgraduate Department of Biotechnology

J. S. S. College of Arts, Commerce & Science

Ooty Road, Mysore - 570 025

Examiners:

- 1.
- 2.

Place: Mysuru

Prof. M. Mahadevappa

Principal, JSSCACS

Ooty road, Mysore - 25.

Principal

J. S. S. COLLEGE

Ooty Road, Mysore-570 025

**Development of Protein Molecular Weight Marker for
Drug Discovery**

Project report

Submitted in partial fulfillment of the requirements for the award of the degree
Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-UP under
Biotechnology Skill Enhancement Programme (BiSEP)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by

Ms. Smruti Shovna

Reg. No. JB117010

II Semester

Under the guidance of

Dr. Dharma Prasad M., PhD

Managing Director and Chief Technology Officer

Prosetta Bioconformatica Pvt Ltd.

#67B, Near Infosys, Hootagalli, Ilavala Hobli, Karnataka 570018

March - 2019

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology



CERTIFICATE

Certified that project report entitled 'Development of Protein Molecular Weight Marker for Drug Discovery' is a bonified work carried out by Ms. Smruti Shovna (Reg.no. JH17010) in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under **Biotechnology Skill Enhancement Programme** sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India during the year 2018-2019.


GUIDE:


Dr. Dharma Prasad M., PhD
MD and CTO
Prosetta Bioconformatics Pvt Ltd.

Examiners:

- 
- 


Dr. B. Y. Sathish Kumar
Co-ordinator, JSS-BISEP
Assistant Professor and Head,
SPG Dept. of Bio-Technology


Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.
PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

**Optimization of Western Workflow- Extraction,
Solubilization and Immunodetection of proteins over
broad molecular weight range**

Project report

Submitted in partial fulfillment of the requirements for the award of the
degree Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-
UP under Biotechnology Skill Enhancement Programme (BiSEP)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by,

Sushmitha A

Reg. No. JBI18008

II Semester

Under the guidance of

Dr. Rajeev K Pandey

Scientist III, Protein biology

ThermoFisher Scientific

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled 'Optimization of Western Workflow-
Fractionation, Solubilization and Immunodetection of proteins over broad molecular
weight range' is a bonafied work carried out by Ms. Sushmitha A (JB118008) in
fulfillment of the requirements for the award of the degree of Postgraduate
Diploma in Protein Expression and Scale-up under **Biotechnology Skill
Enhancement Programme** sanctioned and supported by KTech, Govt. of Karnataka
& IIT, Govt. of India.

GUIDE:

Dr. Rajeev K Pandey

Dr. B.Y. Sathish Kumar
Co-ordinator, JSS BiSEP
Assistant Professor and Head,
PG Dept. of Bio-Technology

Examiners:

1.

2.

Place: Mysore

Date: 12/10/19

Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.

***EFFECT OF OCIMUM BASILICUM ON
ANTIMICROBIAL AND ANTIOXIDANT ACTIVITY***



Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. SARIKA.M

Reg. No. JBT17024

IV Semester

Under the guidance of

Mr. ABHIGNAN GURUKAR

Asst. Professor

May – 2019

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

Ooty Road, Mysore - 570025




CERTIFICATE

Certified that project report entitled 'Effect Of Ocimum Basilicum On Antimicrobial And Antioxidant Activity' is a bonified work carried out by Ms. SARIKA.M (reg.no. JBT17024) in partial fulfillment of the requirements for the award of Master of science (M.sc.) degree in Biotechnology of university of Mysore during the year 2018-2019.


Mr. ABHIGNAN GURUKAR

Assistant professor,
Department of biotechnology
Jss college, Ooty road Mysore


Dr. B. Y. Sathish Kumar
Head of the Department
Assistant Professor and Head
JSS College of Arts, Commerce & Science
Postgraduate Department of Bio-Technology


Prof. M. Mahadevappa

Principal, JSSCACS

Ooty road, Mysore - 25

Principal
J. S. S. COLLEGE
Ooty Road, Mysore-570 025

Examiners:

- 
6/5/2019
- 
6/5/19

Place: Mysore

**Clinical Research Study to Evaluate the Effect of AMR101 on
Cardiovascular Health and Mortality in Hypertriglyceridemic
Patients with High Risk for Cardiovascular Disease**

Project Report

Submitted to the

Postgraduate Department of Biotechnology



JSS College of Arts, Commerce and Science

**In partial fulfillment of the requirements for the award of
Master of Science (M.Sc.) degree in Biotechnology of University of Mysore**

Submitted by

Ms. Divya H.D

Reg. NO: JBT17007 (IV Semester)

Under the guidance of

Dr. B.Y Sathish Kumar

**Assistant Professor and Head
Postgraduate Department of Bio-Technology
JSS college of Arts, Commerce and Science
Ooty road –Mysore**

May – 2019

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled '**Clinical Research Study to Evaluate the Effect of AMR101 on Cardiovascular Health and Mortality in Hypertriglyceridemic Patients with High Risk for Cardiovascular Disease**' is a bonified work carried out by Ms. Dhyva H.D (Reg.no. JBT17007) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018 - 2019.

GUIDE:

Ramya K.N

1. Mrs. Ramya K.N

Clinical research coordinator
Columbia Asia hospital
Mysore

2. Dr. B.Y Sathish Kumar

B.Y. Sathish Kumar

Dr. B. Y. Sathish Kumar

Assistant Professor and Head
Postgraduate Department of Bio-Technology
JSS college of Arts, Commerce and Science
Mysore
Ooty Road, Mysore - 570 025

M. Mahadevappa

Prof. M. Mahadevappa

Principal, JSSACS

Ooty road, Mysore - 25.

PRINCIPAL

J.S.S. College

Ooty Road, Mysore-570 025

Examiners:

- [Signature]*
- B.Y. Sathish Kumar*

Place: Mysore

Date:

**“ANTIOXIDANT AND ANTIMICROBIAL PROPERTY OF
DRAGON FRUIT (HYLOCEREUS SPECIES)”**

Dissertation

Submitted To the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

**In partial fulfillment of the requirements for the award of
Master of Science(M.Sc.)degree in Biotechnology of University of Mysore**

Submitted by

Ms. KAVYA S

Reg. No. JBT18011

IV Semester

Under the guidance of

Mr. Abhignan Gurukar

Assistant professor

PG Department of Biotechnology

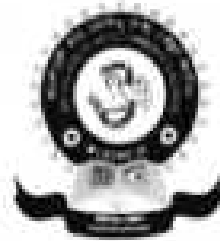
September-2020

JSS Mahavidyaapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE -570025



CERTIFICATE

Certified that project report entitled "ANTIOXIDANT AND ANTIMICROBIAL PROPERTY DRAGON FRUIT (HYLOCEREUS SPECIES)" is a bonified work carried out by Ms.KAVYA.S (Reg.no.JBT18011) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019- 20.

GUIDE:

Mr. Abhignan Gurukar
Assistant professor
PG Department of Biotechnology

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology

PG Dept of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore-570 025

Examiners:

- 1.
- 2.

Prof. H.C. Honnappa
Principal, JSSACS Ooty road,

Mysore - 25

PRINCIPAL

JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

Place: Mysore

Date: 21-09-2020

BIOTIC STRESS IN PLANTS

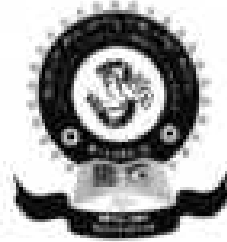
Dissertation Report

Submitted in partial fulfilment of the requirements for the award of the degree

Master of Science in Bio-Technology

To

Postgraduate Department of Bio-Technology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSURU -570025



Submitted by

Ms. Krupa. L.

Reg. No. JBT18014

IV Semester

Under the guidance of

Mr. Vasanth Patil H.B

M.Sc., BTFS., KSET

Assistant Professor

PG Department of Studies and Research in Bio-Technology

JSS College, Ooty Road, Mysuru-25

September- 2020

JSS Mahavidyapeetha
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)
OOTY ROAD, MYSORE -570025



Postgraduate department of Bio-Technology
CERTIFICATE

Certified that project report entitled 'BIOTIC STRESS IN PLANTS' is a bonafide work carried out by Ms. Krupa L (Reg.no. JBT18014) in partial fulfillment of the requirements for the award of Master of Science degree in Bio-Technology Prescribed by University of Mysore during the year 2019 - 2020

GUIDE

Mr. Vasanth Patil H.B

Assistant Professor

PG Department of Bio-Technology

Dr. B. Y. Sathish Kumar

Assistant Professor and Head

Postgraduate Department of Bio-Technology

Head of the Department

PG Dept of Biotechnology

JSS College of Arts, Commerce & Science

Ooty Road, Mysore 571 025

Examiners:

1.

2.

Prof. H. C. Honnappa

Principal, JSSCACS

Ooty Road, Mysuru - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

Place: Mysuru

Date: 21.5.20

LIPOSOME AND THEIR APPLICATION IN CANCER THERAPY

Dissertation

Submitted to the Postgraduate
Department of Biotechnology

JSS College of Arts, Commerce and Science
In partial fulfillment of the requirements for the award of
Master of Science (M.Sc.) degree in Biotechnology
Of University of Mysore.

Submitted by

Ms. NEHA N

Reg. No. JBT18017

IV Semester

Under the guidance of

Dr.Mallikarjun B Chougala

Assistant professor

PG Department of Biotechnology

September-2020

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

Ooty Road, MYSORE - 570025



CERTIFICATE

Certified that project report entitled 'LIPOSOME AND THEIR APPLICATION IN CANCER THERAPY' is a bonified work carried out by Ms. NEHA N (Reg.no. JBT18017) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019- 20.

GUIDE:

Dr. Mallikarjun B Chougala
PG Department of Biotechnology

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Biotechnology
PG Dept. of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570 025

Examiners:

- 1.
- 2.

Place: Mysore

Date: 21/09/20

Prof. H.C. Honnappa
Principal, JSSCACS
Ooty road, Mysore - 25,
PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

**“Green Synthesis of Nanoparticles and Preparation of Hydrogels
Using Cocoon Extract and Its Anti-microbial Activity”**

**Sub Title: GREEN SYNTHESIS OF DIFFERENT NANOPARTICLES
BY USING COCOON EXTRACT AND ITS ANTIMICROBIAL ACTIVITY**

Dissertation/Project Report

Submitted to the
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
in partial fulfillment of the requirements for the award of
Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

**Ms. Pooja Hegde
JBT18025
IV Semester**

Under the guidance of

**1) Dr. Ravindra
Scientist- C
CSRTL, Mysore**

**2) Dr. B.Y Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology**

SEPTEMBER 2020

JSS Mahavidyapeetha
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)


OOTY ROAD, MYSORE - 570025





CERTIFICATE



I hereby certify that the project work entitled, "Green synthesis of nanoparticles and preparation of hydrogels using cocoon extract: its anti-microbial activity" is carried out by **POOJA HEGDE** student of final year M.Sc., Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science, Mysuru, for the partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology under the University of Mysuru is the result of bonafide research work carried out by her under the guidance of **DR. RAVINDRA.** Scientist-C, Chemistry Laboratory, Central Sericultural Research and Training Institute (CSRTI), Mysuru during the period from January, 2020 to April, 2020.

I also declare that this team work has not been submitted to any another University or institutions for the award of any degree.


Dr. Ravindra
Scientist-C
CSRTI, Mysore

Examiners:

- 
 - 
24/9/2020
- Place: Mysore


Dr. B.Y Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Biotechnology
PG Dept of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore 570 025

Prof. H.C Rannappa
Principal, JSSCACS
Ooty Road, Mysore- 25
PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road-1, MYSURU-25

**BASICS OF MICROBIOLOGICAL ANALYSIS OF
FOODS & BEVRAGES AT ITC Ltd.**

Dissertation/Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology

of University of Mysore

Submitted by

Mr. NISHANTH.N

Reg. No. JBT18020

IV Semester

Under the guidance of

Dr. B. Y. Sathish Kumar

Assistant Professor and Head
Postgraduate Department of Bio-Technology

Dr. Manish Pareker

Head of Central Quality Assurance Lab (CQAL),
ITC-LSTC, Bengaluru

September – 2020

JSS Mahavidyaapeetha
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)
OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled 'Basics of Microbiological analysis of Foods & Beverages at ITC Ltd.' is a bonified work carried out by Mr. NISHANTH.N (Reg.no.JBT18020) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019 - 20.

GUIDE: Dr. B. Y. Sathish Kumar

Dr. Manish Pareker

Name & Signature of the Guide

Dr. B. Y. Sathish Kumar

Assistant Professor and Head of
Postgraduate Department of Biotechnology

PG Dept of Biotechnology

JSS College of Arts, Commerce & Science

Ooty Road, Mysore - 570 025

Examiners:

- 1.
- 2.

Place: Mysore

Date: 21/04/2020

Prof. H. C. Honnappa

Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

CHITOSAN NANOPARTICLES: PREPARATION, CHARACTERIZATION AND APPLICATIONS



Dissertation

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. PALLAVLS

Reg. No. JBT18023

IV Semester

Under the guidance of

Dr. Mallikarjun B Chougala

Assistant professor

PG Department of Biotechnology

September – 2020

JSS Mahavidyaapeetha
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)
OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled 'CHITOSAN NANOPARTICLES: PREPARATION, CHARACTERIZATION AND APPLICATIONS' is a bonified work carried out by Ms. PALLAVLS (Reg.no. JBT18023) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019-20.

GUIDE:

Dr. Mallikarjun B Chougala
Assistant professor
PG Department of Biotechnology

Dr. B.Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology
~~Head of the Department~~
PG Dept of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570 025

Examiners:

- 1.
- 2.

Place: Mysore
Date:

Prof. H.C. Honnappa
Principal, JSSCACS
Ooty road, Mysore - 25

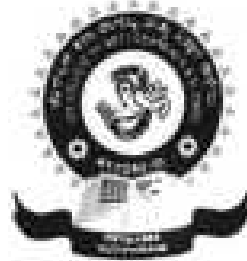
SYNTHETIC BIOLOGY

Project report

Submitted in partial fulfillment of the requirements for the award of the degree Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-UP under Biotechnology Skill Enhancement Programme (BiSEP)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025

Submitted by

SUSHMA G

Reg. No. JB119011

II Semester

Under the guidance of

Dr. CHANDRASHEKAR

Clarette Biotech Pvt Ltd.

Mysuru.

September 2020

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled 'Synthetic biology' is a bonafied work carried out by Sushma G (Reg no. JB119011) in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under Biotechnology Skill Enhancement Programme sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India

GUIDE:

Dr. Nandini C
Signature of the Guide

Name of the Guide with seal



Dr. B.Y. Sathish Kumar
Co-ordinator, JSS BiSEP
Assistant Professor and Head,
PG Dept. of Bio-Technology

Examiners:

- 1.
- 2.

Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.

Place: Mysore

Date:

**Expression, Purification and Assay Establishment of Recombinant
Proteins- GST, GAPDH and PRDX 6**

Project report

**Submitted in partial fulfillment of the requirements for the award of
the degree Post Graduate Diploma in PROTEIN EXPRESSION AND
SCALE-UP under Biotechnology Skill Enhancement Programme
(BiSEP)**

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by

Mrs. Madhura Banu

Reg. No. JBI18003

II Semester

Under the guidance of

Dr. Dharma Prasad M., PhD

Managing Director and Chief Technology Officer

Prosetta Bioconformatics Pvt Ltd.

#67B, Near Infosys, Hootagalli, Ilavala Hobli, Karnataka 570018

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025




JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology


CERTIFICATE

Certified that project report entitled 'Expression, Purification and Assay Establishment of Recombinant Proteins- GST, GAPDH and PRDX 6' is a bonafied work carried out by Mrs. Madhura Banu (Reg.no. JBI18003) in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under Biotechnology Skill Enhancement Programme sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India.



GUIDE:


Dr. Dharma Prasad M., PhD
MD and CTO
Prosetta Bioconformatics Pvt Ltd.




Dr. B.Y. Sathish Kumar
Co-ordinator, JSS BiSEP
Assistant Professor and Head,
PG Dept. of Bio-Technology

Examiners:

- 
- 

Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.

Place: Mysore

Date: 12/10/2019

**TRANSFERRIN AND ITS ROLE IN HUMAN (FUNCTIONAL
MECHANISMS)**

Project report

Submitted in partial fulfillment of the requirements for the award of the degree Post
Graduate Diploma in PROTEIN EXPRESSION AND SCALE-UP under Biotechnology
Skill Enhancement Programme (BiSEP)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by

MD.NEMATULLAH

Reg. No. JBI19005

II Semester

Under the guidance of

Mr. Sendil Kumar

Assistant Manager

QC Chemicals Department

Richeore Lifesciences Pvt Ltd

September - 2020

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled "TRANSFERRIN AND ITS ROLE IN HUMAN (FUNCTIONAL MECHANISMS)" is a bonafied work carried out by MR. MD. NEMATULLAH Reg.no. JBI19005 in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under Biotechnology Skill Enhancement Programme sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India.

Dr. B.Y. Sathish Kumar

Co-ordinator, JSS BiSEP

Assistant Professor and Head,

PG Dept. of Bio-Technology

Examiners:

1. Dr. Heemanth Singh
2. D.Y. Sathish Kumar

Place: Mysore

Date:

Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

**ENZYMATIC METHOD FOR THE DETECTION OF HUMAN SERUM
ALBUMIN AND ANALYTICAL INSTRUMENTS, TECHNIQUES USED IN
RECOMBINANT PROTEIN ANALYSIS**

Project report

Submitted in partial fulfilment of the requirements for the award of the degree
Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-UP under
Biotechnology Skill Enhancement Programme (BISEP)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by

Rineesh Milton

Reg.No. - JBI19008

II Semester

Under the guidance of

Mr. Sendil Kumar

Assistant Manager

QC Chemicals department

Richcore Lifesciences Pvt Ltd

September - 2020

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



**JSS Biotechnology Skill Enhancement Programme
Postgraduate Department of Biotechnology**

CERTIFICATE

Certified that project report entitled **"ENZYMATIC METHOD FOR THE DETECTION OF HUMAN SERUM ALBUMIN AND ANALYTICAL INSTRUMENTS, TECHNIQUES USED IN RECOMBINANT PROTEIN ANALYSIS"** is a bonafied work carried out by **Mr. Rineesh Milton** (Reg.no. JBI19008) in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under Biotechnology Skill Enhancement Programme sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India.

Examiners:

1. *B.V. S.P. Vasudewa*

2. *B.Y. Sathish Kumar*

Place: Mysore

Date:

Dr. B.Y. Sathish Kumar
Co-ordinator, JSS BISEP
Assistant Professor and Head,
PG Dept. of Bio-Technology

Principal, JSSCACS,
Ooty road, Mysore - 25.

JSS College of Arts, Commerce & Science
Ooty Road, Mysore-25

SYNTHETIC BIOLOGY

Project report

Submitted in partial fulfillment of the requirements for the award of the degree Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-UP under Biotechnology Skill Enhancement Programme (BiSEP)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025

Submitted by

SUSHIMA G

Reg. No. JB119011

II Semester

Under the guidance of

Dr. CHANDRASHEKAR

Claretté Biotech Pvt Ltd.

Mysuru.

September 2020

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled 'Synthetic biology' is a bonafied work carried out by **Sushma G** (Reg.no. JB119011) in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under Biotechnology Skill Enhancement Programme sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India

GUIDE:

Nardini.c

Dr. Nardini.c

Signature of the Guide

Name of the Guide with Seal



Examiners:

1. *S.P. Varadwaj*

2.

Place: Mysore

Date:

B.Y. Sathish Kumar

Dr. B.Y. Sathish Kumar

Co-ordinator, JSS BiSEP

Assistant Professor and Head,

PG Dept. of Bio-Technology

[Signature]

Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science
Ooty Road, MYSURU

FED BATCH FERMENTATION OF CHO CELL LINE

Project report

Submitted in partial fulfillment of the requirements for the award of the degree Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-UP under Biotechnology Skill Enhancement Programme (BiSEP)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

Submitted by

Ms. Gagana N

Reg. No. JBI19002

II Semester

Under the guidance of

Mr. Poornachandra Nagineni,

Process Lead, KemwellBiopharma Pvt. Ltd.

34th KM, Tumkur Road, T-Begur, Nelamangala,

Bangalore- 562123

September - 2020

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



JSS Biotechnology Skill Enhancement Programme
Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled 'FED BATCH FERMENTATION OF CHO CELL LINE' is a bonafied work carried out by Ms. GAGANA N (Reg.no. 2319002) in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under Biotechnology Skill Enhancement Programme sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India.

GUIDE: Mr. Poornachandra Nagineni

P. Chandrashekhara



B. Y. Sathish Kumar

Dr. B. Y. Sathish Kumar
Coordinator, JSS Biotech
Assistant Professor and Head
PG Dept. of Bio-Technology

Examiners:

- Dr. Hemanth D' Souza*
- B. Y. Sathish Kumar*

[Signature]

PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

Place: Mysore

**Analytical techniques and good laboratory practices in
Microbiology lab in Nestle India ltd, Nanjangud.**



Internship Report

Submitted to the
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
in partial fulfillment of the requirements for the award of
Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by
Mr. Nishanth.D.S
Reg. No. **JBT18019**
IV Semester

Under the guidance of
Dr. B.Y.Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Biotechnology

September – 2020

JSS Mahavidyaapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

Ooty Road, Mysore -570025




CERTIFICATE



Certified that project report entitled 'Analytical techniques and good laboratory practices in Microbiology lab in Nestle India ltd, Nanjangud' is a bonified work carried out by Mr.Nishanth.D.S (Reg.no. JBT18019) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019 – 20.

GUIDE:



Dr. B. Y. Sathish Kumar


Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology
PG Dept of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore 570 025

Examiners:

- 
- 

Place: Mysore


Prof. H.C. Honnappa
Principal, JSSCACS
Ooty road, Mysore - 25.
PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

**ANALYTICAL INSTRUMENTS AND TECHNIQUES
USED IN ANIMAL ORIGIN FREE RECOMBINANT
PROTEIN ANALYSIS**

Project report

Submitted in partial fulfilment of the requirements for the award of the degree
Post Graduate Diploma in PROTEIN EXPRESSION AND SCALE-UP under
Biotechnology Skill Enhancement Programme (BiSEP)

TO

Postgraduate Department of Biotechnology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025

Submitted by

Srinivasa S

Reg.No. - JBI19010

II Semester

Under the guidance of

Mr. Sendil Kumar

Assistant Manager

QC Chemicals department

Richcore Lifesciences Pvt Ltd

September - 2020

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled "*ANALYTICAL INSTRUMENTS AND TECHNIQUES USED IN ANIMAL ORIGIN FREE RECOMBINANT PROTEIN ANALYSIS*" is a bonafied work carried out by Mr. SRINIVASA S (Reg.no. JBI19010) in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under Biotechnology Skill Enhancement Programme sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India.

Examiners:

- 1.
- 2.

Place: Mysore
Date

Dr. B.Y. Sathish Kumar
Co-ordinator, JSS BiSEP
Assistant Professor and Head,
PG Dept. of Bio-Technology

Prof. M. Mahadevappa
Principal, JSSCACS,
Ooty road, Mysore - 25.

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)
OOTY ROAD, MYSORE -570025



**A REVIEW ON PHYTOREMEDIATION EFFICIENCY OF PLANTS
COLONIZED BY PERIFORMOSPORA INDICA IN THE HEAVY
METAL CONTAMINATED SOIL**

Dissertation Submitted in partial fulfilment of requirement for the award of the degree of

MASTER OF SCIENCE IN BIOTECHNOLOGY

Submitted by

Ms. AMRUTHA. N
(Reg. No. JBT18001)

Under the guidance of

Dr. Mallikarjun B Chougala, M. Sc, Ph.D.

ASSISTANT PROFESSOR
PG DEPARTMENT OF BIOTECHNOLOGY
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE.
OOTY ROAD, MYSORE- 570025

SEPTEMBER 2020

JSS Mahavidyaapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that dissertation report entitled '**A Review on Phytoremediation Efficiency of Plants Colonized by *Periformospora Indica* in the Heavy Metal Contaminated Soil**'. is a bonified work carried out by **Ms. Amrutha. N (Reg.no.JBT18001)** in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019 - 20.

GUIDE:

Name & Signature of the Guide

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of
Biotechnology

Department

PG Dept of Biotechnology

JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570025

Examiners:

1.

2.

Place: Mysore

Date: 21/9/2020

Dr. H. C. Honnappa
Principal, JSSCACS

Ooty road, Mysore - 25.
PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

A STUDY ON ACUPUNCTURE SCIENCE

Dissertation

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Mr. Keerthi V

Reg. No. JBT18012

IV Semester

Under the guidance of

Dr. Rekha N D

Assistant Professor

PG department of Biotechnology

September – 2020

JSS Mahavidyapeetha
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for
Excellence)

OOTY ROAD, MYSORE -570025




CERTIFICATE

Certified that dissertation report entitled 'A Study on Acupuncture Science' is a bonified work carried out by Mr. Keerthi. V (Reg.no. JBT18012) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019 - 2020.


GUIDE:


Dr. Rekha N.D

Name & Signature of the Guide



Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Biotechnology
PG Dept of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570 025

Examiners:

- 
-

Place: Mysore

Date:


Dr. H C Honnappa
Principal, JSSCACS
Ooty road, Mysore - 25.

JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570 025

'HYPOTHYROIDISM'

Dissertation/Project Report

Submitted to the
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
in partial fulfillment of the requirements for the award of
Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by
Ms. MEGHANA KUMAR
Reg. No. JBT18015
IV Semester

Under the guidance of
Dr. Rekha N D
Assistant Professor department of Biotechnology, JSS college of Arts, commerce
and Science, Ooty Road Mysuru.

June – 2020

JSS Mahavidyaapeetha
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)
OOTY ROAD, MYSORE -570025



CERTIFICATE

Certified that project report entitled 'HYPOTHYROIDISM' is a bonified work carried out by Ms. Meghana kumar (Reg.no. JBT18015) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019 - 20.

GUIDE: Dr. *Rekha N. D*

Name & Signature of the Guide

B. Y. Sathish Kumar
Dr. B. Y. Sathish Kumar

Assistant Professor and Head
Postgraduate Department of ~~Bio-Technology~~ **Biotechnology**
PG Dept. of **Biotechnology**
JSS College of Arts, Commerce & Science
Ooty Road, Mysore-570 025

Examiners:

1. *MB*
2. *B. Y. Sathish Kumar*

Place: Mysore

H. C. Honnappa
Dr. H C Honnappa
Principal, JSSCACS
Ooty road, Mysore - 25.
PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

**GREEN SYNTHESIS OF SILVER
NANOPARTICLES USING CENTELLA
ASIATICA LEAF EXTRACT AND THEIR
BIOLOGICAL ACTIVITY.**

Dissertation/Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

In partial fulfillment of the requirements for the award of
Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. Namratha P

Reg. No. JBT18016

IV Semester

Under the guidance of

Dr. B Y Sathish Kumar

HOD of PG Biotechnology JSS College of Arts Commerce and Science, Mysuru

September – 2020

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE -570025




CERTIFICATE



Certified that project report entitled 'Centella asiatica: A potential herb' is a bonified work carried out by **Ms. Namratha P** Reg. No. JBT18016 in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019-2020.

GUIDE:



Name & Signature of the Guide


Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Biotechnology
PG Dept. of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore 570 025

Examiners:

- 
- 

Place: Mysuru


Dr. H.C. Honnappa
Principal, JSSCACS
Ooty road, Mysore - 25,
PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

“A REVIEW ON GOLDEN RICE”

Dissertation

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. NIVEDITHA.K.C

Reg. No. JBT18021

IV Semester

Under the guidance of

Mr. Abhignan Gurukar

Assistant professor

PG Department of Biotechnology

September – 2020

JSS Mahavidyaapeetha
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for
Excellence)

OOTY ROAD, MYSORE -570025



CERTIFICATE

Certified that project report entitled "A REVIEW ON GOLDEN RICE" is a bonified work carried out by Ms. NIVEDITHA K C (Reg.no.JBT18021) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019- 20.

GUIDE:

B. Y. Sathish Kumar
Mr. Abhignan Gurukar
Assistant professor
PG Department of Biotechnology

B. Y. Sathish Kumar
Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio Technology
PG Dept. of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570 025

Examiners:

- M. B. S.*
- B. Y. Sathish Kumar*

Place: Mysore

Date: 21/9/2020

H. C. Honnappa
Prof. H.C. Honnappa
Principal, JSSCACS
Ooty road, Mysore - 25.
PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

Biosynthesis of Silver Nanoparticles Using *Allium sativum* extract and its Cytotoxic, Antioxidant and Antibacterial Activity

Dissertation/Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. Parinika H S

Reg. No. JBT18024

IV Semester

Under the guidance of

Dr. B.Y Satish Kumar

Head of Department Biotechnology

JSS College of Arts, Commerce, Science

Ooty Road, Mysuru.

September – 2020

JSS Mahavidyaapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025




CERTIFICATE

Certified that project report entitled 'Biosynthesis of Silver Nanoparticles Using Allium sativum extract and its Cytotoxicity, Antioxidant and Antibacterial Activity' is a bonified work carried out by Ms. PARINIKA H.S. (Reg.no. JBT18024) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019 - 20.

GUIDE:



Dr. B. Y. Sathish Kumar


Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology
Head of the Department
PG Dept. of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570 025

Examiners:

- 1.
- 2.

Place: Mysore


Prof. H.C. Honnappa
Principal, JSSCACS
Ooty road, Mysore - 25.
PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

**MEDIA OPTIMISATION AND PRODUCTION OF
TALAROMYCES PURPUREOGENUS CFRM02 PIGMENT
USING CHICKEN FEATHER AS SUBSTRATE**

Project Report

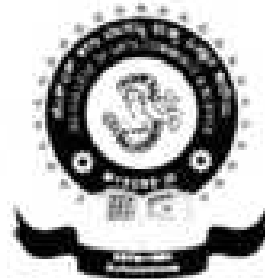
Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfilment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore



Submitted by

Mr. CHINMAY RAMACHANDRA HEGDE

Reg. No. JBT18005

IV Semester

Work carried out under the guidance of

Dr. B.Y. SATHISH KUMAR

HOD Dept.of Biotechnology

JSS College of Arts, Commerce and Science,

Mysore-570025



cftri

2018-2020



JSS MAHAVIDYALAYA

JSS COLLEGE OF ARTS, COMMERCE & SCIENCE

OOTY ROAD, MYSORE-570 025

(Autonomous; NAAC with 'A' grade & UGC Recognised 'College with Potential for Excellence')

☎: 0821-2548236 & 2548380 Fax: 0821-2548238 E-mail: jssautonomous@gmail.com Website: www.jsscacs.edu.in

27-12-2019

ANNEXURE I

UNDERTAKING BY THE SELECTED STUDENT FOR PROJECT WORK AT CSIR-CFTRI

The project students and their college / staff members shall have no claim whatsoever on the results of the project work. CSIR-CFTRI retains all Intellectual Property Rights in patents, designs, software, copyright and publications, if any that may be generated during the course of project work. In the event of any dispute arising, the decision of Director, CSIR-CFTRI, is final and is binding on the student(s) and college. (Sl. No. 17 of Annexure I).

The college certificate in the project report prescribed by college / University shall categorically reflect that the place of project work is CSIR-CFTRI and acknowledge the name of the staff member who has guided. (Sl. No. 18 of Annexure I).

We have read the prescribed rules and regulations (Sl. Nos. 1 to 18 of Annexure I) and we agree to abide by them during our project work at CFTRI, Mysore and to the Conduct and Discipline mandate of the Institute.

Mr. CHINMAY R HEGDE -
II Year M.Sc., Biotechnology

(Prof. M. Mahadevappa)

JSS PRINCIPAL Arts, Commerce & Science
Ooty Road, MYSURU-25

A Review on Structural proteins as Biopolymer materials

Dissertation/Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfilment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Mr. Jayasimha L.

Reg. No. JBT18007

IV Semester

Under the guidance of

Dr. Rekha, N.D M.Sc., Ph.D

Assistant professor

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

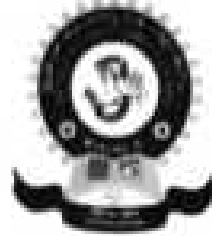
Ooty road, Mysore

JSS Mahavidyaapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



Postgraduate Department of Bio-Technology

CERTIFICATE

Certified that project report entitled 'A Review on Structural Proteins as Biopolymer Materials' is a Bonafede work carried out by Mr. Jayasimha, L. (JBT18007) in partial fulfillment of the requirements for the award of Master of Science degree in Bio-Technology Prescribed by University of Mysore during the year 2019 - 2020

GUIDE: 
Dr. Rekha, N.D

Assistant Professor

PG Department of Bio-Technology

Examiners:

1. 

2. 



Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-
Technology
PG Dept. of Bio-Technology

JSS College of Arts, Commerce & Science
Ooty Road, Mysore 570 025



Prof. H.C. Honnappa
Principal, JSSACS

Ooty road, Mysore - 25.

PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road MYSURU-25

Place: Mysuru

Date: 01/04/2020

**A Review on Chemical transformation of Xenobiotic
by the Human Gut Microbiota**

Dissertation/Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfilment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. Anju S.

Reg. No. JBT18002

IV Semester

Under the guidance of

Dr. Rekha N. D M.Sc., Ph.D.

Assistant professor

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

Ooty road, Mysore

JSS Mahavidyaapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

Ooty Road, MYSORE - 570025



Postgraduate Department of Bio-Technology

CERTIFICATE

Certified that project report entitled 'A Review on Chemical Transformation of Xenobiotic By The Human Gut Microbiota' is a Bonafede work carried out by Ms. Anju S. (JBT18002) in partial fulfillment of the requirements for the award of Master of Science degree in Bio-Technology Prescribed by University of Mysore during the year 2019 - 2020

GUIDE:

Dr. Rekha, N.D

Assistant Professor

PG Department of Bio-Technology

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
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PG Dept. of Bio-Technology

JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570 025

Examiners:

1.

2.

Prof. H.C. Honnappa
Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

Place: Mysuru

Date: 21/9/20

Bioactivity in Coffee: Health Benefits of Coffee Consumption

Dissertation Report

Submitted in partial fulfillment of the requirements for the award of the degree

Master of Science in Bio-Technology

To

Postgraduate Department of Bio-Technology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSURU - 570025



Submitted by

Ms. Bhoomika.K.R

Reg. No. JBT18003

IV Semester

Under the guidance of

Mr. Vasanth Patil H.B

M.Sc., BTFS., KSET

Assistant Professor

PG Department of Studies and Research in Bio-Technology

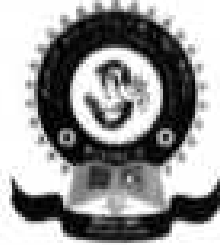
JSS College, Ooty Road, Mysuru-25

September- 2020

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

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Ooty Road, Mysore - 570025



Postgraduate Department of Bio-Technology

CERTIFICATE

Certified that project report entitled 'Bioactivity in Coffee: Health Benefits of Coffee Consumption' is a bonafide work carried out by Ms. Bhoomika K.R (JBT18003) in partial fulfillment of the requirements for the award of Master of Science degree in Bio-Technology Prescribed by University of Mysore during the year 2019 - 2020

GUIDE:

Mr. Vasanth Patil H.B

Assistant Professor

PG Department of Bio-Technology

Dr. B. Y. Sathish Kumar

**Assistant Professor and Head
Postgraduate Department of Bio-**

Technology Department

PG Dept of Biotechnology

JSS College of Arts, Commerce & Science

Ooty Road, Mysore-570 025

Examiners:

1.

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Prof. H.C. Honnappa

Principal, JSSCACS

Ooty road, Mysore - 25,

PRINCIPAL

JSS College of Arts, Commerce & Science

Ooty Road, MYSURU-25

Place: Mysuru

Date: 21/9/2020

**Homology Modelling, Molecular Docking of non-structural Protein3
of Severe Acute Respiratory Disease Coronavirus-19 (COVID-19)**

Dissertation/Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Mr. YERRISWAMY K

Reg. No. JBT18044

IV Semester

Under the guidance of

1.Mr.Vivek Chandramohan

2.Dr. B. Y. Sathish Kumar

Assistant Professor Department of Biotechnology, Siddaganga Institute of Technology,
Tumkur

Assistant Professor and Head Postgraduate Department of Bio-Technology, JSS college
of arts, commerce and science Ooty road ,Mysore



Sree Siddaganga Education Society (R)

DEPARTMENT OF BIOTECHNOLOGY
Siddaganga Institute of Technology

(An Autonomous Institute, Affiliated to Visvesvaraya Technological University, Belgaum & Recognized by AICTE, Accredited by National Board of Accreditation, New Delhi)

Tumkur - 572 103, Karnataka, INDIA.

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E-mail : bsgowni@rediffmail.com Mob : 9844461940, Web : www.sit.ac.in Grams : SIT

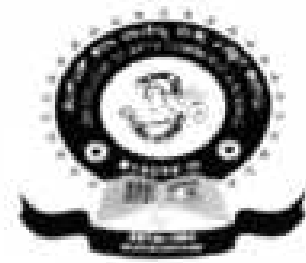
: S.I.T.No/EC-01/2020

Date : 08/04/2020

Internship Certificate

This is to certify that Mr. YERRISWAMY K (JBT18044), Department of Biotechnology, JSS College of Arts, Commerce and Science (Autonomous), Ooty Road, Mysuru - 25 successfully completed internship from 20th January 2020 to 15th March 2020 on "Homology Modelling, Molecular Docking and Molecular dynamic simulation of non-structural protein 3 of Sever Acute Respiratory Disease Coronavirus-19(COVID-19)" at Department of Biotechnology, Siddaganga Institute of Technology, Tumakuru.


08/04/2020
Head of the Department
Head of the Department
Department of Biotechnology
Siddaganga Institute of Technology
TUMKUR - 572 103



VALUE ADDITION OF SPICES USING PLANTATION PRODUCTS

Project work

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of

Mysore

Submitted by

Ms. SUPRIYA T

Reg. No. JBT18040

IV Semester

Under the guidance of

Dr. B B BORSE

Prof. AcSIR, Sr. Principal Scientist,
Department of Spice and Flavor Science (SFS)
CFTRI-Mysore

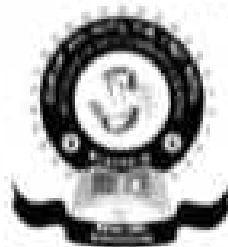
Dr. B.Y. Sathish Kumar

HOD Dept. of Biotechnology
JSS Arts, Commerce and Science
College, Mysore

SEPT-2020

JSS Mahavidyaapeetha
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for
Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled 'Value addition of Spices using Plantation products' is a bona fide work carried out by **Ms. SUPRIYA T (Reg.no. JBT18040)** in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology under University of Mysore during the year 2018 – 2020.



GUIDE:



Dr. B. B. BORSE

Prof. AcSIR, Sr. Principal Scientist,
Department of Spice and Flavor
Science (SFS) CFTRI-Mysore

Examiners:

1. 
2. 
24/9/2020

Place: Mysore

Date:



Dr. B. Y. Sathish Kumar

Assistant Professor and Head
Postgraduate Department of Bio-
Technology

Head of the Department
PG Dept. of Biotechnology

JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570 025



Prof. H. C. Honnappa

Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

**Homology Modelling, Molecular Docking of non-structural
protein 13 of Severe Acute Respiratory Disease Coronavirus-19
(COVID-19)**

Dissertation/Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Ms. MSUSHMA
Reg. No. JBT18041
IV Semester

Under the guidance of

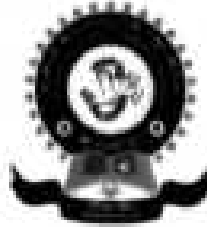
1) Mr. Vivek Chandramohan
Assitant Professor Department of Biotechnology,
Siddaganga Institute of Technology,
Tumkur.

2) Dr. B. Y. Sathish Kumar
Assistant Professor And Head
Postgraduate Department of Bio-Technology

SEPTEMBER 2020

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE -570025



CERTIFICATE

Certified that project report entitled 'Homology Modelling, Molecular Docking of non-structural protein 13 of Severe Acute Respiratory Disease Coronavirus-19 (COVID19)' is a bonified work carried out by Ms. M Sushma (Reg.no. JBT18041) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019-20.

GUIDE: Mr.Vivek Chandramohan

Dr. B. Y. Sathish Kumar

Dr. B. Y. Sathish Kumar

Assistant Professor and Head

Postgraduate Department of Bio-Technology

Head of the Department

PG Dept of Biotechnology

JSS College of Arts, Commerce & Science

Ooty Road, Mysore 570 025

Name & Signature of the Guide

Examiners:

1.

2.

24/9/2020

Place: Mysore

Prof. H.C.Honnappa

Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science

Ooty Road, MYSURU-25

Antimicrobial activity of Grewiaorbiculata (bark of tree)

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. Priyadarshini. H

Reg. No. JBT18029

IV Semester

Under the guidance of

Dr. Rekha N D

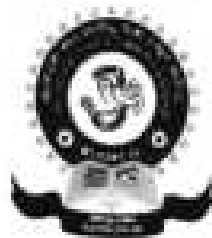
Assistant Professor

PG Department of Biotechnology, JSS college of Arts, commerce and Science, Ooty Road
Mysuru.

September-2020

JSS Mahavidyapeetha
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025





CERTIFICATE


This is to certify that the dissertation entitled "Antimicrobial activity of Grewiaorbiculata (bark of tree)" submitted to the JSS College of Arts, Commerce and Science by Ms. Priyadarshini. H (Reg.no. JBT18029) under the guidance of Dr. Rekha N.D., for the partial fulfillment of the requirement of the award of the degree of Master of Science in Biotechnology during the year 2019-20



GUIDE: Dr. Rekha N.D

Name & Signature of the Guide

Examiners:

- 
- 
24/9/2020


Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-
Technology
PG Dept. of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570025


Dr. H C Honnappa
Principal, JSSCACS
Ooty road, Mysore - 25.
PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

**Homology Modelling, Molecular Docking of non-structural protein 16 And 10
of Severe Acute Respiratory Disease Coronavirus-19 (COVID-19)**

Dissertation/Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Mr. SHIVAPRAKASH M S

Reg. No JBT18038

IV Semester

Under the guidance of

Mr. VIVEK CHANDRAMOHAN

Assistant Professor Department of Biotechnology, Siddaganga Institute of Technology, Tumkur

Dr. B. Y. SATHISH KUMAR

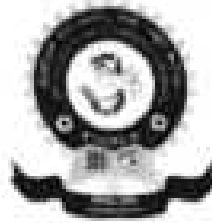
Assistant Professor and Head Postgraduate Department of Bio-Technology,
JSS College of Arts, Commerce & Science, Ooty Road, Mysore

JSS Mahavidyalayam

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

Ooty Road, Mysore - 570025



CERTIFICATE

Certified that project report entitled 'Homology Modelling, Molecular Docking of nonstructural protein 16 And 10 of Severe Acute Respiratory Disease Coronavirus-19 (COVID-19)' is a bonified work carried out by Mr. SHIVAPRAKASH M S (Reg.no.JBT18038) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020- 21.

GUIDE: Mr. Vivek Chandramohan.

Dr. B. Y. Sathish Kumar

Dr. B. Y. Sathish Kumar

Assistant Professor and Head
Postgraduate Department of Bio-Technology

Head of the Department

PG Dept of Biotechnology

JSS College of Arts, Commerce & Science

Ooty Road, Mysore - 570 025

Prof. H C Honnappa

Principal, JSSACS

Ooty road, Mysore - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

Examiners:

- 1.
2.
26/9/2020

Place: Mysore

Date: 21 - 09 - 20

Abiotic Stress Tolerance in Crop Plants

Dissertation Report

Submitted in partial fulfillment of the requirements for the award of the degree
Master of Science in Bio-Technology

To

Postgraduate Department of Bio-Technology



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)
MYSURU -570025



Submitted by

Ms. Sahana Taskeen

Reg. No. JBT1037

IV Semester

Under the guidance of

Mr. Vasanth Patil H.B

M.Sc., BTFS., KSET

Assistant Professor

PG Department of Studies and Research in Bio-Technology

JSS College, Ooty Road, Mysuru-25

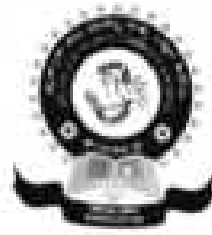
September- 2020

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE -570025



Postgraduate Department of Bio-Technology
CERTIFICATE

Certified that project report entitled 'Abiotic Stress Tolerance in Crop Plants' is a bonafide work carried out by Ms. SAHANA TASKEEN (Reg. no. JBT18037) in partial fulfillment of the requirements for the award of Master of Science degree in Bio-Technology Prescribed by University of Mysore during the year 2019 - 2020

GUIDE:

Mr. Vasanth Patil H.B
Assistant Professor

PG Department of Bio-Technology

Dr. B. Y. Sathish Kumar
Assistant Professor and Head

Postgraduate Department of Bio-Technology

Head of the Department

PG Dept of Biotechnology

JSS College of Arts, Commerce & Science

Ooty Road, Mysore - 570 025

Examiners:

1.
26/9/2020

2.

Prof. H.C. Honnappa
Principal, JSSCACS

Ooty Road, Mysore - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science
Ooty Road - MYSURU-25

Place: Mysore

Date:

Dissertation on
**“Green synthesis of nanoparticles and preparation of hydrogels
using cocoon extract: Its anti-microbial activity”**

Sub topic:

**PREPARATION OF DIFFERENT HYDROGELS USING COCOON
EXTRACTS AND GREEN SYNTHESIS OF ALVERA-SERICIN
SILVERNANOARTICLES: ITS ANTI-MICROBIAL ACTIVITY**

Dissertation
Submitted to the
Post Graduate Department of Biotechnology
JSS college of Arts, Commerce and Science
In partial fulfillment of requirements for the award of Master of Science (M.Sc) degree
in Biotechnology, University of Mysore

Submitted by:
Shruti Halemani
Register No. JBT18039
IV Semester

Under the Guidance of

Dr. Ravindra
Scientist-C
CSRTI, Mysore

Dr. B. Y. Sathish Kumar
HOD Dept. of Biotechnology
JSS Arts, Commerce and Science
College, Mysore



Work carried out at
CENTRAL SERICULTURAL RESEARCH AND TRAINING INSTITUTE
CENTRAL SILK BOARD, MINISTRY OF TEXTILES, GOVERNMENT OF INDIA
SRIRAMAPURA, MANDAVADI ROAD, MYSURU - 570008

September-2020

केंद्रीय रेशम उत्पादन अनुसंधान प्रशिक्षण संस्थान
Central Sericultural Research and Training Institute
[ISO 9001-:2008 certified]

(केंद्रीय रेशम बोर्ड -
वस्त्र मंत्रालय - भारत सरकार)
मनदावदी रोड, श्रीरामपुरा,
मयसूरु - 570008



(Central Silk Board -
Min. of Textiles - Govt. of India)
Manandavadi Road, Srirampura,
Mysuru - 570008.

<http://www.csrtimec.res.in>

CERTIFICATE

This is to certify that the dissertation entitled "Green synthesis of nanoparticles and preparation of hydrogels using cocoon extract: its anti-microbial activity" is carried out by **Shruti Halemani** student of final year M.Sc., Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science Mysuru, for the partial fulfillment for the award of degree of Master of Science in Biotechnology under the University of Mysuru. This is a record of original research work done under my guidance and supervision. We further certify that this dissertation work has not been the basis for the award of any degree, diploma, associate ship are similar title.

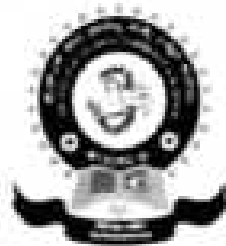
Date: 21/09/2020

Place: Mysuru


Dr. RAVINDRA

Scientist-C

JSS Mahavidyapeetha
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)
OOTY ROAD, MYSURU -570025





CERTIFICATE

I hereby certify that the project work entitled, "Green synthesis of nanoparticles and preparation of hydrogels using cocoon extract: its anti-microbial activity" is carried out by Shruti Halemani student of final year M.Sc., Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science, Mysuru, for the partial fulfillment for the award of degree of Master of Science in Biotechnology under the university of Mysuru is the result of bonafide research work carried out by her under the guidance of DR. RAVINDRA., Scientist-C, Central Sericulture Research and Training Institute (CSRTI), Govt. of India, Mysuru during the period from January-2020 to April 2020.

I also declare that this team work has not been submitted to any another University or institutions for the award of any degree.



Dr. Ravindra Aurade
Scientist-C.
CSR-TI, Mysore.

Examiner.

- 
- 
26/7/2020

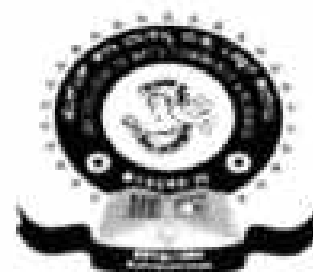
Date: 21/09/2020

Place: Mysore


Dr. B. Y. Sathish Kumar
Assistant professor and Head
PG Department of
Biotechnology
Head of the Department
PG Dept of Biotechnology
JSS College of Arts, Commerce &
Ooty Road, Mysore 570025


H. C. Honnappa
Principal, JSSCACS

Ooty Road, Mysuru-570025
PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road - MYSURU-25



VALUE ADDITION OF SPICES USING PLANTATION PRODUCTS

Project work

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of
Master of Science (M.Sc.) degree in Biotechnology of University of
Mysore

Submitted by

Ms. SUPRIYA T

Reg. No. JBT18040

IV Semester

Under the guidance of

Dr. B B BORSE

Prof. AcSIR, Sr. Principal Scientist,
Department of Spice and Flavor Science (SFS)
CFTRI-Mysore

Dr. B.Y. Sathish Kumar

HOD Dept. of Biotechnology
JSS Arts, Commerce and Science
College, Mysore

SEPT-2020

JSS Mahavidyapeetha
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for
Excellence)
OOTY ROAD, MYSORE -570025



CERTIFICATE

Certified that project report entitled 'Value addition of Spices using Plantation products' is a bona fide work carried out by Ms. SUPRIYA T (Reg.no. JBT18040) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology under University of Mysore during the year 2018 – 2020.


GUIDE:


18.09.2020

Dr. B B BORSE

Prof. AcSIR, Sr. Principal Scientist,
Department of Spice and Flavor
Science (SFS) CFTRI-Mysore

Examiners:

1. 
26/9/2020
2. 

Place: Mysore

Date:



Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-
Technology
JSS College of Arts, Commerce & Sci
OOTY ROAD, MYSORE - 570 025


Prof. H.C. Honhappa
Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science
Ooty Road - MYSURU-25

CERTIFICATE

I, hereby declare that the project titled "**Value addition of spice plantation products**", submitted by Supriya T for partial fulfilment of requirements for the Master's degree in Biotechnology JSS College of Commerce and Science Ooty Road, Mysore is the result of the project carried out by her in Department of Spice and Flavour Science, CSIR-Central Food Technological Research Institute, Mysore under my guidance.

Date: 18.09.2020



Dr. B. B. Borse

Place: Mysore

Sr. Principal Scientist & former head

SFS, CSIR-CFTRI

Mysore- 570020

Dissertation on

**“Green synthesis of nanoparticles and preparation of hydrogels
using cocoon extracts: its anti-microbial activity”**

**Sub title: Green synthesis of silver Nanoparticles using different extracts of
Cocoon: its Anti-microbial activity.**

Dissertation

Submitted to the

Post Graduate Department of Biotechnology

JSS College of Arts, Commerce and Science

**In partial fulfillment of requirements for the award of Master of Science (M.Sc) degree in
Biotechnology of University of Mysore**

Submitted by:

Ms. POOJA S Nyamagoud

Register No. JBT18026

IV Semester

Under the guidance of



Dr. Ravindra
Scientist-C
CSRTL, Mysore

Dr. B. Y. Sathish Kumar
HOD Dept. of Biotechnology
JSS Arts, Commerce and Science
College, Mysore

Head of the Department

PG Dept. of Biotechnology

JSS College of Arts, Commerce & Science

Gety Road, Mysore 570 028



Work carried out at

**CENTRAL SERICULTURAL RESEARCH AND TRAINING INSTITUTE CENTRAL
SILK BOARD, MINISTRY OF TEXTILES, GOVERNMENT OF INDIA
SRIRAMAPURA, MANDAVADI ROAD, MYSURU - 570008**

September-2020

JSS Mahavidyapeetha
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

I hereby certify that the project work entitled, "Green synthesis of nanoparticles and preparation of hydrogels using cocoon extracts: its anti-microbial activity" is carried out by Pooja S. Nyamagoud student of final year M.Sc., Postgraduate Department of Biotechnology, JSS college of Arts, Commerce and Science, Mysuru, for the partial fulfillment for the award of degree of Master of Science in Biotechnology under the university of Mysuru is the result of bonafide research work carried out by his under the guidance of Dr. RAVINDRA., Scientist-C, Chemistry Laboratory, Central Sericulture Research and Training Institute (CSRTI), Govt. of India, Mysuru during the period from January 2020 to April 2020.

I also declare that this team work has not been submitted to any another University or institutions for the award of any degree.

Dr. Ravindra Aurade

Scientist-C,

CSRTI, Mysore

Dr. B. Y. Sathish Kumar

Assistant professor and Head

PG Department of Biotechnology

PG Dept of Biotechnology

JSS College of Arts, Commerce & Science

Dr. H. C. Honappa

Principal, JSSCACS

Ooty Road, Mysuru

Examiner: 1

2

Place: Mysuru

24/9/2021

PRINCIPAL

JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

Nanotechnology-based systems for the treatment and prevention of HIV/AIDS

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. RANJITHA T.M

Reg. No. JBT18034

IV Semester

Under the guidance of

Mr. ABIGNAN GURUKAR

Designation

September – 2020

JSS Mahavidyalaya
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)
OOTY ROAD, MYSORE -570025



CERTIFICATE

Certified that project report entitled 'Nanotechnology-based systems for the treatment and prevention of HIV/AIDS' is a bonified work carried out by Ms. RANJITHA T. M (Reg.no. JBT18034) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019 – 2020.

GUIDE:

Mr. ABIGNAN GURUKAR

Examiners:

- 1.
 - 2.
- 24/9/2020

Place: Mysuru

Date:

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio Technology

Head of the Department
PG Dept. of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570025

Prof. H. C. Nonnappa
Principal, JSSCACS

Ooty road, Mysore - 25.
PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road - MYSURU-25

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled 'DRUG MANAGEMENT FOR NOVEL CORONAVIRUS (COVID-19)' is a bonified work carried out by Mr. KIRAN K (Reg.no.JBT18013) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019- 20.

GUIDE:

Dr. Mallikarjun B Chougala

PG Department of Biotechnology

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Biotechnology
PG Dept. of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore 570 025

Examiners:

- 1.
- 2.

Place: Mysore

Date:

Prof. H.C. Honnappa

Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science
Ooty Road - MYSURU-25

JSS Mahavidyaapeetha
COLLEGE OF ARTS, COMMERCE AND SCIENCE
OOTY ROAD, MYSORE -570025
(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)
PG DEPARTMENT OF BIOTECHNOLOGY




CERTIFICATE

Certified that project report entitled 'CLINICAL STUDY TO EVALUATE SAFETY AND EFFICACY OF DERIVATIVE OF D-GLUCOPYRANOSIDE IN SUBJECTS WITH TYPE-II DIABETES MELLITUS.' is a bonified work carried out by Ms. SHREYALI TEJANNAWAR (Reg.no. JBT17030) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2018-19.

GUIDE:


1 Mrs. Sonika Handae
Zetalix solutions


2 Dr. B. Y. Sathish Kumar
Head Postgraduate Department
Bio-Technology


Dr. B. Y. Sathish Kumar
Head Postgraduate Department
PG Dept. of Biotechnology
J. S. S. College of Arts, Commerce & Science
Ooty Road, Mysore - 570 025

Signature of the Guide

Examiners:

1 
2


Prof. M. Mahadevappa
Principal, JSSCACS
Ooty road, Mysore - 25.
Principal
J. S. S. COLLEGE
Ooty Road, Mysore-570 025

Place: Mysore

Date:

JSS Mahavidyaapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

Ooty Road, MYSORE -570025



CERTIFICATE

Certified that project report entitled 'Preparation and characterization of silk fibroin and mulberry leaf extract hydrogel(SFMLEH)' is a bonified work carried out by Mr. Pramod N Komar (Reg.no. JBT18028) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019 - 20.

GUIDE:

Handwritten signature of the guide
21/09/2020

Name & Signature of the Guide

Handwritten signature of Dr. B. Y. Sathish Kumar

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Biotechnology
PG Dept of Biotechnology
& College of Arts, Commerce & Science
Ooty Road, Mysore 570 025

Examiners:

- Handwritten signature of examiner 1*
- Handwritten signature of examiner 2*
21/09/2020

Place: Mysore

Handwritten signature of Prof. H.C. Honnappa

Prof. H.C. Honnappa

Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science
Ooty Road - MYSURU-25

JSS Mahavidyaapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled 'Tricoderma species role in Biocontrol Mechanism' is a bonified work carried out by Ms. Raksha. P (Reg.no. JBT18031) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019 - 2020.

GUIDE: Dr Rekha.N.D

Assistant Professor

Postgraduate Department of Bio-Technology

Dr. B. Y. Sathish Kumar

Assistant Professor and Head

Postgraduate Department of Bio-Technology

Head of the Department

PG Dept. of Biotechnology

JSS College of Arts, Commerce & Science

Ooty Road, Mysore - 570 025

Prof. H.C. Honnappa

Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

Examiners:

1.

2.

26/9/2020

Place: Mysore

Date: 21/09/2020

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled "CURCUMIN NANOPARTICLES AND ITS APPLICATIONS" is a bonified work carried out by Ms. NIVEDITHA P (Reg.no.JBT18022) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019- 20.

GUIDE:

Dr. Mallikarjun B Chougala
Assistant professor
PG Department of Biotechnology

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Biotechnology
PG Dept. of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore-570025

Examiners:

- 1.
- 2.

Place: Mysore

Date: 21/9/2020

Prof. H.C. Honnappa
Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL
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Ooty Road MYSURU-25

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OOTY ROAD, MYSORE -570025



CERTIFICATE

Certified that project report entitled 'CHITOSAN NANOPARTICLES: PREPARATION, CHARACTERIZATION AND APPLICATIONS' is a bonified work carried out by Ms. PALLAVLS (Reg.no. JBT18023) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019-20.

GUIDE:

Dr. Mallikarjun B Chougala

Assistant professor

PG Department of Biotechnology

Dr. B.Y. Sathish Kumar

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Postgraduate Department of Bio-Technology

Head of the Department

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Examiners:

- 1.
- 2.

Place: Mysore

Date: 21/09/2020

Prof. H.C. Honnappa

Principal, JSSCACS

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Ooty Road MYSURU-25



**PREPARATION AND CHARACTERIZATION OF GARLIC
EXTRACT BASED PECTIN BIO-COMPOSITE
MULTIFUNCTIONAL PACKAGING FILMS**

**A DISSERTATION SUBMITTED IN PARTIAL FULFILLMENT FOR THE
DEGREE OF
MASTERS IN SCIENCE
IN
BIOTECHNOLOGY**

**SUBMITTED BY
CHATHUR K.N
JBT18004**

**UNDER THE GUIDANCE OF
Dr. KESHAVA MURTHY P.S
JUNIOR SCIENTIST
FOOD PACKAGING DEPARTMENT, CSIR-CFTRI, MYSURU, 570020**

SUBMITTED TO



**DEPARTMENT OF BIOTECHNOLOGY
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
OOTY ROAD MYSURU - 25**

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CERTIFICATE

Certified that project report entitled "CURCUMIN NANOPARTICLES AND ITS APPLICATIONS" is a bonified work carried out by Ms. NIVEDITHA P (Reg.no.JBT18022) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019- 20.

GUIDE:

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Examiners:

- 1.
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Place: Mysore

Date: 21/9/2020

Prof. H.C. Honnappa
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CERTIFICATE

Certified that project report entitled "POLYCYSTIC OVARIAN SYNDROME (PCOS)" is a bonified work carried out by Ms. PUNITHA S (Reg.no. JBT18030) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019 - 2020.

GUIDE: Dr REKHA N.D

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Name & Signature of the Guide

Examiners:

- 1.
2.
24/9/2020

Place: Mysuru

Date: 21/09/2020

Prof. H C HONNAPPA

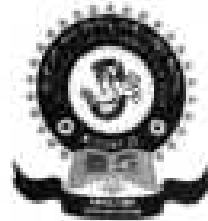
Principal, JSSCACS

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CERTIFICATE

Certified that project report entitled '*Biocontrol of Fusarium oxysporum f. sp. cubense* causing Banana wilt disease' is a bonified work carried out by Ms. Vyshali M T (Reg.no. JBT18043) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019 - 20.


GUIDE: Dr. Rekha N. D

Assistant Professor

Name & Signature of the Guide:



Dr. B. Y. Sathish Kumar

Assistant Professor and Head

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Head of the Department

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26/07/2020

Place: Mysore



Dr. H C Honnappa

Principal, JSSCACS

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CERTIFICATE

Certified that project report entitled "**Antimicrobial and Antioxidant activity of the biosynthesized silver nanoparticles from *Ocimum sanctum* leaf extracts**" is a bonified work carried out by Mr Vivekananda A jedar (Reg.no. JBT18042) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019-2020.

GUIDE:

Dr. B.Y.Sathish kumar

Dr. B. Y. Sathish Kumar
Assistant Professor and Head

Postgraduate Department of Bio-Technology

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Name & Signature of the Guide

Examiners:

- 1.
 - 2.
- 22/01/2020

Prof. H. C. Honnappa

Principal, JSSCACS

Ooty road, Mysore - 25.

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OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled 'Biosynthesizing of silver nanoparticles from mulberry leaf extract and evaluating its antimicrobial activity' is a bonified work carried out by Mr.Sachith .A.M (Reg.no. JBT18035) in partial fulfilment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019 – 2020.

GUIDE: Dr.Madhusudhan.K.N

Dr. B. Y. Sathish Kumar

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
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Examiners:

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2.
24/9/2020

Prof. H. C. Honnappa
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**Silkworm Molecular Biology Laboratory
Central Sericulture Research and Training Institute
Central Silk Board, Ministry of Textiles,
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Dr.Madhusudhan K.N
Scientist-D
Email:madhu31us@gmail.com

CERTIFICATE

This is to certify that the Project work entitled "Synthesis and characterization of combined silk fibroin, chitosan and turmeric extract hydrogel and evaluation of its antibacterial potential" was carried out by **Ms. Poornima, B. Reddi, Reg. No JBT18027** Student of Master of Science in Biotechnology from JSS college of Arts, Science and commerce, Ooty road, Mysuru under my guidance and supervision at Central Sericulture Research and Training Institute, Mysore for the duration of Three months project that is from January, 2020 to March, 2020. This work was carried out by her in partial fulfilment of the requirements for the award of Master of Science in Biotechnology.


(DR. MADHUSUDHAN, K.N.)

Scientist D
(Research Supervisor)

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(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

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CERTIFICATE

Certified that project report entitled "Synthesis and characterization of combined silk fibroin, chitosan and turmeric extract hydrogel and evaluation of its antibacterial potential" is a bonified work carried out by Ms. Poornima, B. Reddi (Reg.no. JBT18027) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019-2020

GUIDE:

[Handwritten Signature]
21/09/2020
Name & Signature of the Guide

[Handwritten Signature]
Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology
~~Head of the Department~~
PG Dept. of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570025

Examiners:

- [Handwritten Signature]*
- [Handwritten Signature]*
24/9/2020

Place: Mysore

[Handwritten Signature]
Prof. H.C. Honnappa
Principal, JSSCACS
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Ooty Road, Mysore - 570025



CERTIFICATE

Certified that project report entitled 'Synthesis of silver nanoparticles using Fenugreek leaf extract and their biological activity (In vitro)' is a bonified work carried out by **Ms. Jyotsna Pathade** (Reg.no. JBT18008 in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019-2020

GUIDE:

B. Y. Sathish Kumar

Name & Signature of the Guide

B. Y. Sathish Kumar

Dr. B. Y. Sathish Kumar

Assistant Professor and Head

Postgraduate Department of ~~Biotechnology~~ ^{Biotechnology}

PG Dept of Biotechnology

JSS College of Arts, Commerce & Science

Ooty Road Mysore 570025

Examiners:

1. *B. Y. Sathish Kumar*

2. *Ramesh*

Place: Mysore

Date: 21/9/2020

H. C. Honnappa

DR. H.C Honnappa

Principal, JSSCACS

Ooty road, Mysore - 25.

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Ooty Road, MYSURU-25



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Ph.9606371550
info@clarettebio.com

clarettebio.com

CERTIFICATE

This is to certify that, Ms. Jyotsna Pathade a student of M.Sc.(Biotechnology), JSS Arts, Commerce and Science College , Ooty Road, Mysuru. Has successfully completed internship program on “**Synthesis of silver nanoparticles using fenugreek leaf extract and their biological activity (*In vitro*)**”. During the period of her internship with us, she was found punctual, hardworking and inquisitive.

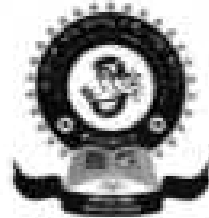


Dr. Nandini C
17/9/2020.
Name & Signature of the

Project Co-ordinator


JSS Mahavidyapeetha
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025




CERTIFICATE



Certified that project report entitled '*Biocontrol of Fusarium oxysporum f. sp. cubense* causing Banana wilt disease' is a bonified work carried out by Ms. Vyshali M T (Reg.no. JBT18043) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019 - 20.


GUIDE: Dr. Rekha N. D
Assistant Professor


Name & Signature of the Guide


Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology
PG Dept of Riata:znology
College of Arts, Commerce & Science
Ooty Road, Mysore - 570 025

Examiners:

- 
- 
24/9/2020

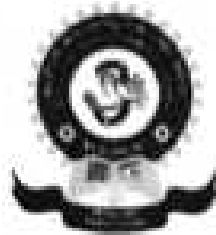
Place: Mysore


Dr. H C Honnappa
Principal, JSSCACS
Ooty road, Mysore - 25.
PRINCIPAL
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Ooty Road, MYSORE-25

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

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MYSORE -570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled "*ANALYTICAL INSTRUMENTS AND TECHNIQUES USED IN ANIMAL ORIGIN FREE RECOMBINANT PROTEIN ANALYSIS*" is a bonafied work carried out by Mr. SRINIVASA S (Reg.no. JB119010) in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under Biotechnology Skill Enhancement Programme sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India.

Examiners:

1. Dr. B.P. Valudawa
2. B.Y. Sathish Kumar

Place: Mysore

Date:

Dr. B.Y. Sathish Kumar
Co-ordinator, JSS BiSEP
Assistant Professor and Head,
PG Dept. of Bio-Technology

Principal, JSSCACS,
Ooty road, Mysore - 25.

JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



JSS Biotechnology Skill Enhancement Programme

Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled ' Analytical Microbiology techniques in Food Industry ' is a bonafied work carried out by Mr. S G Preetham (Reg.no. JB19007) in partial fulfillment of the requirements for the award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under Biotechnology Skill Enhancement Programme sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India.

GUIDE:

Examiners:

1. Dr. S.P. Varadwala
2. B.Y. Sathish Kumar

Dr. B.Y. Sathish Kumar
Co-ordinator, JSS BiSEP
Assistant Professor and Head,
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Place: Mysore

Date:

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

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JSS Biotechnology Skill Enhancement Programme


Postgraduate Department of Biotechnology

CERTIFICATE

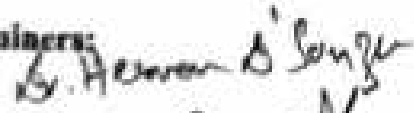

Certified that project report entitled 'Mammalian Cell Culture in Large Scale Bioreactor for Monoclonal Antibodies Production' is a bonafied work carried out by **Ms. Mrinal Patil (Reg.no. JBI19006)** in partial fulfillment of the requirements for the **award of the degree of Postgraduate Diploma in Protein Expression and Scale-up under Biotechnology Skill Enhancement Programme sanctioned and supported by KTech, Govt. of Karnataka & DBT, Govt. of India.**

GUIDE: Mr. Poornachandra Nagineni





Dr. B.Y. Sathish Kumar
Co-ordinator, JSS BiSEP
Assistant Professor and Head,
PG Dept. of Bio-Technology

Examiners:

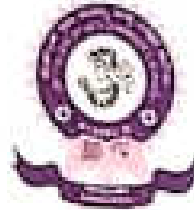
- 
- 

Place: Mysore


Principal, JSSCACS
Ooty road, Mysore - 25.
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OOTY ROAD, MYSORE -570025



CERTIFICATE

Certified that Dissertation report entitled "MIMOSA PUDICA: A Potential Herbal Panacea" is a bonified work carried out by Ms. BHAVANI K.I (Reg.no. JBT19007) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020-21.

GUIDE:

Dr. Mallikarjun B Chongala

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Examiners:

1. 02/09/2021
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Prof. H. C. Honnappa
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Place: Mysore

Date: 7/9/21

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CERTIFICATE

Certified that project report entitled 'REVIEW ON DIABETES MELLITUS' is a bonified work carried out by Ms. Girija S Badigannavar (Reg.no. JBT19011) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020 – 21.

GUIDE: *Rekha N.D*
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Assistant Professor
PG Department of Biotechnology

B.Y. Sathish Kumar
Dr. B. Y. Sathish Kumar
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Postgraduate Department of Bio-Technology

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Examiners:
1. *S. S. Srinivas* *07/09/2021*
2. *B.Y. Sathish Kumar*

H. C. Honnappa

Prof. H. C. Honnappa
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Date: *7/9/21*

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CERTIFICATE

Certified that project report entitled 'A REVIEW ON GOLDEN RICE' is a bonified work carried out by Ms. Akshatha. B (Reg.no. JBT19005) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020 - 21.

GUIDE:

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Dr. B. Y. Sathish Kumar

Assistant Professor and Head

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Head of the Dept.
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Prof. H. C. Honnappa

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Place: Mysore

Date: 20/7/09/2021

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CERTIFICATE

Certified that project report entitled 'GENERAL INDUSTRIAL TRAINING' is a bonified work carried out by Ms. ASMA. D B (Reg.no. JBT19004) in partial fulfilment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020 - 21.

GUIDE: Dr. B. Y. Sathish Kumar

Name & Signature of the Guide

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-
Technology
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JSS College of Arts, Commerce & Science
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Examiners:

- 07/09/2021
-

Place: Mysore

Date: 7/9/21

Prof. H. C. Honnappa
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CERTIFICATE

Certified that project report entitled 'Evaluation of Biological activities from the methanolic extracts of Morus alba leaves' is a bonified work carried out by Ms. Rakshitha, D. G (Reg. No. JBT19029) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysuru during the year 2020-2021

GUIDE: Dr. Satish L.

Name & Signature of the Guide:

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Assistant Professor and Head

Postgraduate Department of ~~Biotechnology~~ Biotechnology

PG Dept. of Biotechnology

JSS College of Arts, Commerce & Science

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Examiners:

1.

2.

Place, Mysuru

Prof. H. C. Hennappa

Principal, JSSCACS

Ooty Road, Mysuru

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CERTIFICATE

Certified that project report entitled "A REVIEW ON FOLIAR DISEASES OF MULBERRY" is a bonified work carried out by Ms. SHEEBU SAMARAN (Reg. no. JBT19034) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020-21.

GUIDE:

B.Y. Sathish Kumar

B.Y. Sathish Kumar

1. Dr. Satish. L
Scientist C,
Department of Molecular biology
Lab I,
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2. *B.Y. Sathish Kumar*
Internal Guide

Dr. B.Y.Sathish Kumar
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~~Head of the Department~~
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Ooty Road, Mysore - 570025

Examiners:

1. *Honnappa*

2. *B.Y. Sathish Kumar*

Prof. H.C. Honnappa
Principal, JSSCACS Ooty Road,
Mysore- 25

Place: Mysore

Date: *09/09/21*

केंद्रीय रेशम उत्पादन अनुसंधान एवं प्रशिक्षण संस्थान
Central Sericultural Research and Training Institute

केंद्रीय रेशम बोर्ड Central Silk Board
सरकार भारत Govt. of India



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Srinagar, Mandavadi Road,
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This is to certify that the dissertation entitled "A REVIEW ON FOLIAR DISEASES OF MULBERRY" is a bonafide Dissertation work carried out by Ms. SHEEBU SAMRAN, Postgraduate student, Department of Biotechnology, JSS College of Arts, Commerce & Science, Ooty road Mysuru, under my guidance and supervision in partial fulfillment of the requirement for the degree of Master of Science in Biotechnology.

Date:
Place: Mysore

Guide: Dr. Satish .L.
Scientist C
Department of Molecular Biology
CSRTI, Mysore

Co-guide: Dr. Kusuma. L.
Scientist C
Department of Molecular Biology
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एकम Telephone : 0821-236246, 236248, 236257 (Office /Director)

दूर/Fax : 081-0821-236245 ; e-mail : director@csrti.in

वेबसाइट/Website : csrti.mysr.res.in

JSS Mahavidyalayam

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CERTIFICATE

Certified that project report entitled 'GENERAL INDUSTRIAL TRAINING IN PROBIOTICS' is a bonified work carried out by PUNEETH S.D. (Reg.no. JBT19028) in partial fulfilment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020 - 21.


GUIDE: Dr. B. Y. Sathish Kumar


Name & Signature of the Guide


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Assistant Professor and Head
Postgraduate Department of Bio-
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Examiners:
1. 
2. 

Place: Mysore


Prof. H. C. Honnappa
Principal, JSSCACS
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CERTIFICATE

Certified that Dissertation report entitled "CURCUMIN AND HEALTH" is a bonified work carried out by Ms. SAHANA H.M (Reg.no. JBT19031) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020-21.

GUIDE:

Dr. Mallikarjun B Chougala

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology
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JSS College of Arts, Commerce & Science
Ooty Road, Mysore-570 025

Examiners:

1.

2.

Place: Mysore

Date: 7/9/21

Prof. H. C. Honnappa
Principal, JSSCACS
Ooty road, Mysore - 25.

PRINCIPAL
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JSS Mahavidyalaya

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

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OOTY ROAD, MYSORE - 570025



CERTIFICATE

This is to certify that the dissertation entitled '**MOLECULAR MECHANISM OF ANTI-ANGIOGENESIS IN CANCER AND TREATMENT**' is a bonified carried out by Ms. AKSHATHA S U (Reg. No. JBT19003) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020-2021.

GUIDE: Dr. REKHA N D

Name & Signature of the Guide

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology

PG Dept of Biotechnology
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Ooty Road, Mysore - 570 025

Examiners:

- 1.
- 2.

Prof. H. C. Honnappa
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Place: Mysore

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CERTIFICATE

This is to certify that the dissertation entitled "**Hypothyroidism**" submitted to the JSS College of Arts, Commerce and Science by **Ms. Shruti, Bhagawant, Korav (Reg. no. JBT19035)** under the guidance of **Dr. Rekha N.D.**, for the partial fulfillment of the requirement of the award of the degree of Master of Science in Biotechnology during the year 2020-21

GUIDE: Dr. Rekha N. D

Rekha N. D
- 7/9/21

Name & Signature of the Guide

B. Y. Sathish Kumar
Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-
Technology

Examiners:

1. *Neelakant*

2. *B. Y. Sathish Kumar*

Dr. H C Honnappa
Principal, JSSCACS
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Place: Mysore

JSS Mahavidyalaya

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CERTIFICATE

Certified that project report entitled 'A REVIEW ON EFFECT OF STRESS ON HEALTH' is a bonified work carried out by Ms. Shruti. S.G (Reg.no. JBT19036) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020 - 21.

GUIDE:

Ms. Rekha.N.D

Assistant Professor

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Dr. B. Y. Sathish Kumar

Assistant Professor and Head

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Examiners:

1.

2.

Prof. H. C. Honnappa

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OOTY ROAD, MYSORE -570025



CERTIFICATE

Certified that project report entitled 'A REVIEW ON CULTIVATION OF MUSHROOM AND THEIR MEDICINAL PROPERTIES' is a bonified work carried out by Ms TEJASHWINI K (Reg.no. JBT19039) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020-2021

GUIDE:

Vasanth Patil
6/9/21

Mr. Vasanth Patil H.B

Assistant professor

P.G Department of Bio-Technology

B. Y. Sathish Kumar

Dr. B. Y. Sathish Kumar

Assistant Professor and Head

Postgraduate Department of Bio-Technology

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Examiners:

1.

H. C. Honnappa

2.

B. Y. Sathish Kumar

Prof. H. C. Honnappa

Principal, JSSCACS

Ooty road, Mysore - 25.

Place: Mysore

Date:

JSS Mahatma Jyoti

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, W.A.C. 'A' Grade & College with Potential for Excellence)

Ooty Road, Mysore - 570025




CERTIFICATE


Certified that project report entitled 'GENERAL INDUSTRIAL TRAINING IN PROBIOTICS' is a laudable work carried out by Mr. Bharath H M (Reg.no. JBT19006) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020 - 21.

GUIDE: Dr. B. Y. Sathish Kumar


Name & Signature of the Guide


Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-
Technology Department
PG Dept. of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570025

Examiners:
1. 
2.  27/09/2021


Prof. H. C. Honappa
Principal, JSSCACS
Ooty road, Mysore - 25.
PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road - Mysore-25

Place: Mysore
Date: 27/9/21



AN ISO 9001:2015 CERTIFIED COMPANY

CERTIFICATE

This is to certify that **Mr. Bharath HMM.Sc** Biotechnology, student of JSS College of Arts Commerce and Science has successfully completed One month "GENERAL INDUSTRIAL TRAINING" in our organization.

He deserves all encouragement.

We wish him all the best in her career.

For Triphase Pharmaceuticals Pvt Ltd

A handwritten signature in black ink, appearing to read "Abhilash Prakash".

ABHILASH PRAKASH
QA/QC LEAD

A handwritten signature in black ink, appearing to read "Irfanulla Sharieff".

IRFANULLA SHARIEFF
CHIEF SCIENTIFIC OFFICER

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CERTIFICATE

Certified that project report entitled **ISOLATION AND CHARACTERIZATION OF PROTEASE PRODUCING BACTERIA**, is a bonified work carried out by DEVIKA M (Reg no JBT19010) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020-2021

GUIDE:

1. Dr. Madhusudhan K N

2. Dr. B. Y. Sathish Kumar

Name & Signature of the Guide

Dr. B. Y. Sathish Kumar

Assistant Professor and Head
Postgraduate Department of Bio-

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PG Dept of Biotechnology

JSS College of Arts, Commerce & Science

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Examiners:

1.

2.

Prof. H. C. Honnappa

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Silkworm Molecular Biology Laboratory
Central Sericulture Research and Training Institute
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Dr.Madhusudhan K.N
Scientist-D
madhu31us@gmail.com

CERTIFICATE

This is to certify that the Project work entitled "ISOLATION AND CHARACTERIZATION OF PROTEASE PRODUCING BACTERIA" was carried out under my guidance and supervision at Molecular Biology Laboratory-2, Central Sericultural Research and Training Institute, Mysore for the duration of three months project. This work was carried out by her in partial fulfillment of the requirements for the award of Master of Science in BIOTECHNOLOGY.

madhusudhan
24/08/2024
(DR.MADHUSUDHAN K N)
Scientist D
(Research supervisor)

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CERTIFICATE

Certified that project report entitled 'GENERAL INDUSTRIAL TRAINING' is a bonified work carried out by Ms. VARSHITHA.V (Reg.no. JBT19041) in partial fulfilment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020 - 21.

GUIDE: Dr. B. Y. Sathish Kumar

B. Y. Sathish Kumar

Name & Signature of the Guide

B. Y. Sathish Kumar

Dr. B. Y. Sathish Kumar
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Examiners:

1.

H. C. Honnappa

2.

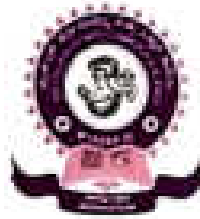
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Place: Mysore

Prof. H. C. Honnappa
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CERTIFICATE

Certified that project report entitled '**GENERAL INDUSTRIAL TRAINING IN PROBIOTICS**' is a bonified work carried out by **Mr. Puneet Hegde (Reg.no. JBT19027)** in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year **2020 - 21.**

GUIDE: Dr. B. Y. Sathish Kumar

Name & Signature of the Guide

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Examiners:

- 1.
- 2.

Place: Mysore

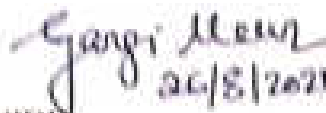
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CERTIFICATE

Certified that dissertation report entitled '**Isolation and Identification of Pathogenic Bacteria from Vegetables and Household**' is a bonified work carried out by Mr. MALVEYA MANISH (Reg.no. JBT19014) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology under University of Mysore during the year 2019- 2021.


26/5/2021
GUIDE:
Dr. Gargi Meur
Scientist 'D'
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Dr. GARGI MEUR, Scientist 'D'
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Head of the Department
PG Dept. of Biotechnology
Dr. B. Srinivas Kumar M.Sc. B.Sc.
Assistant Professor
Postgraduate Department of
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Examiners:

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- 

Place: Mysore

Date: 7/9/21


Prof. M. Honnappa
Principal, JSS College of Arts Commerce
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CERTIFICATE

Certified that project report entitled 'SYNTHESIS AND MECHANISM OF
ANTIMICROBIAL ACTIVITY OF NANOPARTICLES' is a bonified
work carried out by Mr. PRAVEEN M K (Reg.no. JBT19026) in partial
fulfillment of the requirements for the award of Master of Science (M.Sc.)
degree in Biotechnology of University of Mysore during the year 2020 -21.

GUIDE:

Mallikarjun B. Chougala

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Examiners:

1.

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Place: Mysore

Date: 7/9/21

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CERTIFICATE

Certified that project report entitled 'GREEN SYNTHESIS OF NICKEL OXIDE NANO PARTICLES FROM LANTANA CAMARA FLOWERS FOR INVESTIGATING ANTIMICROBIAL ACTIVITY' is a bonified work carried out by Mr.PRASHANTH G.S (Reg.no. JBT19025) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020 - 21.

GUIDE:

Dr.Mallikarjun B. Chougala

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Place: Mysore

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Date: 7.9.2021

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CERTIFICATE

Certified that project report entitled "EFFECT OF PRE-CONDITIONING OF THE HUMAN UMBILICAL CORD TISSUE DERIVED MESENCHYMAL STROMAL CELLS IN MODULATING THE EXOSOME SECRETION" is a bonified work carried out by Ms. V.Devadharsini (Reg.No: JBT19009) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019-2021.

GUIDE: Dr. B. Y. Sathish Kumar

Signature of the Guide

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1. 07/09/2021
2. 7/9/21

Prof. H. C. Honnappa
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ONNSA RESEARCH INNOVATIONS PRIVATE LIMITED

CERTIFICATE

Date: _____

This is to certify that **Ms. V. Devadharsini** had completed his industrial training at ONNSA Research Innovations Pvt. Ltd. and submitted major findings successfully to our advisory committee. This report is a sole creation of the candidate itself for their degree requirement, ONNSA doesn't claim IPR on it and is also not responsible for its breach.

Dr Chetan Singh Rajpurohit
Major Advisor
Scientist
ONNSA Research Innovation Pvt Ltd
Indiranagar, Bengaluru

Mr Raghvendra Shrinivasanthy
Committee Member
Chief Operating Officer
ONNSA Research Innovation Pvt Ltd
Indiranagar, Bengaluru

Dr NK Venketaramana
Chair Person
Director
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CERTIFICATE

Certified that project report entitled 'GENERAL INDUSTRIAL TRAINING' is a bonified work carried out by Ms. SAHANA, N (Reg.no. JBT19033) in partial fulfilment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020 - 21.

GUIDE: Dr. B. Y. Sathish Kumar

Name & Signature of the Guide

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Examiners:

1.

2.

Place: Mysore

Date: 7/9/21

Prof. H. C. Honnappa

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PRINCIPAL
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Date 7/9/21

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OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled "ISOLATION AND CHARACTERIZATION OF HUMAN MESENCHYMAL STROMAL CELLS DERIVED EXOSOMES: A SET OF STANDARD PROTOCOLS" is a bonified work carried out by Ms. POOJITHA C K (Reg.no. JBT19021) in partial fulfilment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020 - 21.

GUIDE: Dr. B. Y. Sathish Kumar

Signature of the Guide

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-
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PG Dept of Biotechnology
JSS College of Arts, Commerce & Science
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Examiners:

- 1.
- 2.

Place: Mysore

Date: 7/9/21

Prof. H. C. Honnappa
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JSS College of Arts, Commerce & Science
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Date 7/9/21

CERTIFICATE

This is to certify that Ms. Poojitha C K had completed his industrial training at ONNSA Research Innovations Pvt. Ltd. and submitted major findings successfully to our advisory committee. This report is a sole creation of the candidate itself for their degree requirement, ONNSA doesn't claim IPR on it and is also not responsible for its breach.

Dr Chetan Singh Rajpurohit
Major Advisor
Scientist
ONNSA Research Innovation Pvt Ltd
Indiranagar, Bengaluru

Mr Raghendra Shridhar Murthy
Committee Member
Chief Operating Officer
ONNSA Research Innovation Pvt Ltd
Indiranagar, Bengaluru

Dr NK Venketaramana
Chair Person
Director
ONNSA Research Innovation Pvt Ltd
Indiranagar, Bengaluru

CIN - U73200KA2019PTC124229

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CERTIFICATE

Certified that project report entitled 'SYNTHESIS AND CHARACTERIZATION OF ZINC NANOPARTICLES FROM DIFFERENT PLANT SOURCE AND ITS ANTIMICROBIAL ACTIVITY' is a bonified work carried out by Mr/Mrs POOJA N BABU(Reg.no. JBT19020) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020-21.

GUIDE:

1. Dr. Madhusudhan K N

2. Dr. B.Y.Sathish Kumar

Name & Signature of the Guide

Dr. B. Y. Sathish Kumar

Assistant Professor and Head

Postgraduate Department of Bio-Technology

Head of the Department

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Examiners:

1.

2.

Prof. H. C. Honnappa

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Ooty Road, Mysore - 570025



**Silkworm Molecular Biology Laboratory
Central Sericulture Research and Training Institute
Central Silk Board, Ministry of Textiles,
Govt. Of India, Mysuru, Karnataka 570008**

Dr.Madhusudhan K.N

Scientist-D

Email:madhu31us@gmail.

CERTIFICATE

This is to certify that the Project work entitled Mysuru ,under my guidance and supervision at Central Sericulture Research and Training Institute, Mysore for the duration of Three months project . This work was carried out by her in partial fulfilment of the requirements for the award of Master of Science in BIOTECHNOLOGY

Madhusudhan
24/08/2021

(DR.MADHUSUDHAN K N)

Scientist D

(Research supervisor)

JSS Mahavidyalayasthala
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
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CERTIFICATE

Certified that project report entitled 'GENERAL INDUSTRIAL TRAINING IN PRODUCTION' is a bonified work carried out by Mr. Prajwal H.G (Reg.no. JBT19023) in partial fulfilment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020 - 21.

GUIDE: Dr. B. Y. Sathish Kumar

Name & Signature of the Guide

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-
~~Technology~~ ^{Technology}
PG Dept of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570025

Examiners:

1.

2.

Place: Mysore

Date: 7/9/21

Prof. H. C. Honnappa

Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science
Ooty Road - MYSURU-25

Date:01-09-2021

TO WHOMSOEVER IT MAY CONCERN:

This is to certify that Mr. Prajwal H.G MSc Biotechnology, student of JSS Arts, Commerce and Science college, Ooty Road, Mysore has successfully completed "GENERAL INDUSTRIAL TRAINING IN PRODUCTION" in our organisation for a period of 3rd June 2021 to 31st August 2021.

This certificate is valid for submitting project work.

From Laurus bio Pvt. Ltd



Authorized Signatory



JSS Mahavidyaapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE -570025




CERTIFICATE


Certified that project report entitled 'Quality Control and Quality Assurance is a bonified work carried out by Mr. Abhishek U.N (Reg.no. JBT19001) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020-21.


GUIDE:

Ms. Vasantala M
Head of Quality Control
Dept. MANMUL


Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-
Technology
Head of the Department
PG Dept of Biotechnology

JSS College of Arts, Commerce & Science
Ooty Road, Mysore 570025


Name & Signature of the Guide
(Checked by guide)


Prof. H. C. Honnappa
Principal, JSSCACS
Ooty road, Mysore - 25.
PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road - MYSURU-25

Examiners:

- 
-  07/09/2021



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MANMUL



ಮಂಡ್ಯ ಜಿಲ್ಲಾ ಸಹಕಾರ ಹಾಲು ಉತ್ಪಾದಕರ ಸಂಘಗಳ ಒಕ್ಕೂಟ ಸಂಯಮಿತ
THE MANDYA DIST. CO-OPERATIVE MILK PRODUCER'S SOCIETIES UNION LIMITED

No. MMU/Admn/542/2021-22

Date: 07-08-2021

TO WHOM SO EVER IT MAY CONCERN

This is to Certify that Mr. Abhishek U.N. (JBT19001) M.Sc Student of JSS College of Arts, Commerce & Science, Mysuru has successfully carried out the Project Work on "Quality Control and Quality Analysis" in our Organisation for the period commencing from 23-03-2021 to 23-04-2021.

This Certificate is issued purely for Academic purposes only.

**Managing Director
Mandya Dist Co-op Milk Union**

JSS Mahavidyalaya

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

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OOTY ROAD, MYSORE -570025



CERTIFICATE

Certified that project report entitled 'A REVIEW ON SILVER NANOPARTICLES: SYNTHESIS, PROPERTIES AND APPLICATIONS' is a bonafide work carried out by **Vidyashree Hiremath** (Reg.no., JBT19043) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020-2021

GUIDE:

Vasanth Patil
6/9/21

Mr. Vasanth Patil H.B
Assistant Professor
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B. Y. Sathish Kumar

Dr. B. Y. Sathish Kumar
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Examiners:

1.

H.C. Honnappa

2.

B. Y. Sathish Kumar

Prof. H.C. Honnappa
Principal, JSSCACS
Ooty road, Mysore - 25.

Place: Mysore

Date:

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CERTIFICATE

Certified that project report entitled "GENERAL INDUSTRIAL TRAINING IN PROTEINS" is a bonified work carried out by Mr. Veerasha MV (Reg.No-JBT19042) partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2020-21.

GUIDE: Rakesh Dananjaya
&
Manimaran Selvam

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
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Technology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore 570025

Examiners:

- 1.
- 2.

Place: Mysore

8/9/21

Prof. H. C. Honnappa
Principal, JSSCACS
Ooty road, Mysore - 25.

Date: 01-08-2021

TO WHOMSOEVER IT MAY CONCERN:

This is to certify that Mr. Veeresh M V MSc Biotechnology, student of JSS Arts, Commerce and Science college, Ooty Road, Mysore has successfully completed "GENERAL INDUSTRIAL TRAINING IN PRODUCTION" in our organisation for a period of 29th July 2021 to 31st August 2021.

This certificate is valid for submitting project work.

From Laurus bio Pvt. Ltd



Authorized Signatory



JSS Mahavidyapeetha
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE - 570025



CERTIFICATE

Certified that project report entitled '**IDENTIFICATION OF SECONDARY METABOLITES FROM *Aerva javanica* AND QUANTIFICATION OF ALKALOIDS**' is a bonified work carried out by **Ms.Pachayee Prathiksha S** (Reg.no. **JBT19019**) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2019-2021

GUIDE:

Dr. Mallikarjun B. Chougala

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-Technology

Head of the Department
PG Dept of Biotechnology

JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570025

Examiners:

1.

2.

Place: Mysore

Date: 7/9/21

Prof. H. C. Honnappa
Principal, JSSACS

Ooty road, Mysore - 25.

PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road - MYSORE-25

JSS Mahavidyapeetha
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade and College with Potential for Excellence)
OOTY ROAD, MYSORE- 570025



CERTIFICATE

Certified that project report entitled "A REVIEW ON COVID-19 VACCINES" is a bonified work carried out by Ms. Naveena E (Reg. no. JBT19017) in partial fulfillment of the requirements for the award of Master of Science(M.Sc.) degree in Biotechnology of University of Mysore during the year 2020-21.

GUIDE :

Dr. Mallikarjun B. Chougala

Examiners:

- 1.
- 2.

Place: Mysore

Date: 07/09/2021

Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Dept of Biotechnology
Head of the Department

PG Dept of Biotechnology

JSS College of Arts, Commerce & Science
OOTY ROAD, MYSORE- 570025

Prof. H.C. Honnappa
Principal, JSSCACSOoty Road,

Mysore-25

PRINCIPAL
JSS College of Arts, Commerce & Science
OOTY ROAD- MYSURU-25.

CERTIFICATE

This is to certify that the project work presented in this report "*Identification and characterization of bioactives from Picrorhiza Kurroa (plant) for the prevention of Obesity/NAFLD invitro*" was carried out by Ms. Manya, C. P during the academic year 2020-2021 under the guidance of Dr. B. Pulla Reddy, Senior Technical officer (2), Department of Molecular Nutrition, CSIR-Central Food Technological Research Institute, Mysuru in partial fulfilment of the requirements of Master of Science in MSc. Biotechnology.

Manya C.P
18.08.2021
Signature of Guide
Dr. B. Pulla Reddy
Senior Technical officer (2)
Department of Molecular Nutrition
CSIR-CFTRI, Mysuru 570020

Pradeep Singh Negi
Signature of Co-Ordinator
Dr. Pradeep Singh Negi
Sr. Principal Scientist
Human Resource Development
CSIR-CFTRI, Mysuru 570020

Sridevi Annapurna S
Signature of Head
Dr. Sridevi Annapurna Singh
Director
CSIR-CFTRI, Mysuru 570020

Date: 24.8.2021
Place: Mysuru

**PRODUCTION OF RECOMBINANT PROTEINS FROM PICHIA
PASTORIS**

Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

ARUNDHATHI-B

Reg. No. JBT20004

IV Semester

Under the guidance of

External Guide

Mr. JEEVARATHINAMS

MANAGER, R&D UPSTREAM

LAURUS BIO (FORMERLY RICHCORE) PVT LTD, BANGALORE

Internal Guide

Mr. B. Y. SATHISH KUMAR

HEAD OF POSTGRADUATE DEPARTMENT OF BIOTECHNOLOGY

JSS COLLEGE OF ARTS, COMMERCE, AND SCIENCE, OOTY ROAD, MYSORE



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'Title of the project' is a bonafide work carried out by ARUNDHATHI B (Reg.no. JBT20004) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the Guide

External Guide -

Mr. Jeevarathinam. S

Manager, R&D Upstream

Laurus Bio (Formerly Rich core) Pvt Ltd

Internal Guide -

Examiners:

1.

2.

Dr. B.Y. Sathish Kumar
Assistant Professor and Head,
PG Dept of Biotechnology
JSS College of Arts, Commerce & Science
Mysore, Mysore 570 025

Prof. M. P. Vijayendra Kumar
Principal, JSSCACS
Mysore, Mysore 570 025

Place: Mysore

Date:

**GENERAL INDUSTRIAL TRAINING IN QUALITY
CONTROL.**

Project/Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfilment of the requirements for the award of Master of Science (M.Sc.,) degree in Biotechnology of University of Mysore

Submitted by

Mr. Sanjay Shankar.T

Reg. No. JBT20033

IV Semester

Under the guidance of

External Guide

Mr. Naveen chawla

Manager quality control microbiology

Nestle India.LTD, Nanjungud

Internal Guide

Mr/Ms/Dr.



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'GENERAL INDUSTRIAL TRAINING IN QUALITY CONTROL' is a bonafied work carried out by Mr. Sanjay Shankar.T (Reg.no. JBT20033) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the Guide

External Guide -

Naveen chawla

(Guide Certificate may also be attached as a separate certificate on company's letter head with seal)

Internal Guide -

Mohammed
Dr. Poonam S. Jaiswal

Examiners:

1. *Rjha*
2. *30/03/22*

Place: Mysore

Date: *Naveen*
30/7/22

B.Y. Sathish Kumar

Dr. B.Y. Sathish Kumar
Assistant Professor and Head,
PG Dept. of Biotechnology
College of Arts, Commerce & Science

Ooty road, Mysore 570 025

M.P. Vijayendra Kumar
Prof. M. P. Vijayendra Kumar
Principal, JSSCAUS
Ooty road, Mysore - 25.

QUALITY CONTROL AND QUALITY ASSURENCE

Project Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Mr. SANJAYGOWDA B.N

Reg. No. JBT20034

IV Semester

Under the guidance of
External Guide

Dr. KAVITHA K.S

Head of Quality Control

DEPT. MANMUL



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025




Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'Quality Control and Quality Assurance' is a bonafied work carried out by Mr. SANJAYGOWDA B.N (Reg.no. JBT20034) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):



External Guide - 
Name of the Guide with seal
Assitant Manager (QA)
MANMUL, Product Dairy,
Gejjalagere - 571428,
Maddur Taluk, Mandya Dist.


Dr. B.Y. Sathish Kumar
Assistant Professor and Head,
PG Dept. of Bio-Technology

 **JSS College of Arts, Commerce & Science**
Post Graduate Department of Biotechnology
Gejjalagere, Mandya Dist. Mysore - 571428


Prof. M. P. Vijayendra Kumar
Principal, JSSCACS
Ooty road, Mysore - 25.

Internal Guide - 
Dr. Poonam S. Jaiswal

Examiners: 1. 
2. 
30/9/22

**REPORT ON INTERNSHIP AT INDUSTRIAL
ANALYTICAL RESEARCH AND DEVELOPMENT
DEPARTMENT**

Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. ABHIJNA VIJAY SHETTY

Reg. No. JBT20002

IV Semester

Under the guidance of
External Guide

Dr. GOPA MITRA

Manger, analytical R&D
Laurus bio private limited Bangalore

Internal Guide

Dr. Abignan Gurukar
Assistant professor
PG Biotechnology



Postgraduate Department of Biotechnology
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(An Autonomous College of University of Mysore)

MYSORE -570025

JULY-2022

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'Title of the project' is a bonafied work carried out by Ms. ABHJNA VIJAY SHETTY (Reg.no. JBI20002) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE:

External Guide -

Dr. Gopa Mitra

Manager, analytical R&D
Laurus bio private limited

Dr. B.Y. Sathish Kumar

Head of the Department

PG Dept. of Biotechnology

Assistant Professor and Head
JSS College of Arts, Commerce & Science

PG Dept. of Biotechnology

Internal Guide

Dr. Abignan Gurukar

Assistant professor

Head of the department

PG Biotechnology

Examiners:

1.

2.

Prof. M.P. Vijayendra Kumar

Principal

JSS College of Arts, Commerce & Science

Mysore - 570025

Place: Mysore

Date: 29th July 2022

GENERAL INDUSTRIAL TRAINING IN PRODUCTION DEPARTMENT

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Mr H.Swaraj

Reg. No. JBT20043

IV Semester

Under the guidance of

External Guide

Mr.Rakesh.D

General manager, Laurus bio pvt, ltd. with Address

Internal Guide

Mr/Ms/



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'GENBERAL INDUSTRIAL TRAINING, PRODUCTION' is a bonafied work carried out by Mr. SWARAJ.H (Reg.no. JBT20043) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the Guide

External Guide -

Mr. Rakesh.D

(Guide Certificate may also be attached as a separate certificate on company's letter head with seal)

Internal Guide - *M. P. Vijayendra Kumar*

Examiners:

1. 

2.

Place: Mysore

Date:



Dr. B.Y. Sathish Kumar

Assistant Professor and Head,

PG Dept. of Bio-Technology

JSS College of Arts, Commerce & Science

Mysore - 570025

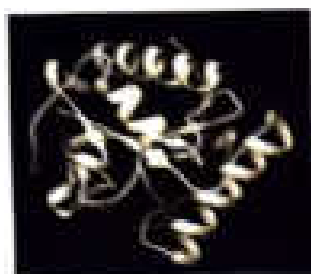


Prof. M. P. Vijayendra Kumar

Principal, JSSCACS

JSS College of Arts, Commerce & Science
Manjappa Chetty Road, Mysore - 570025

***In Silico* Screening of different Antiprotozoal drugs
against proteins of PPO pathway and Designing of New
Generation Drugs**



Project Report



Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts,
Commerce and Science in partial fulfillment of the requirements for the award of
Master of Science (M.Sc.,) degree in Biotechnology of University of Mysore

Submitted by
Ms. SUSHMANJALI K.P.
Reg. No. JBT20042
IV Semester

Under the guidance of
External Guide
Dr. MADHUSUDHAN K.N.
Scientist-D
Molecular Biology and Bioinformatics Laboratory, CSRTL, Mysuru



**Postgraduate Department of Biotechnology
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE**

**(An Autonomous College of University of Mysore)
MYSURU - 570025**

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSURU- 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled '*In Silico* Screening of different Antiprotozoal drugs against proteins of PPO pathway and Designing of New Generation Drugs' is a bonafide work carried out by Ms. Sushmanjali K.P. (Reg.no. JBT20042) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE: Internal Guide *M. P. Vijayendra Kumar*
External Guide-

Madhusudhan K.N.
21/7/22
Dr. Madhusudhan K.N.
Scientist-D
Molecular Biology and
Bioinformatics Laboratory, CSRTI,
Mysuru

B. Y. Sathish Kumar
Dr. B. Y. Sathish Kumar
Assistant Professor and Head,
PG Dept. of Biotechnology
JSS College of Arts, Commerce & Science
City Road, Mysuru - 570025

M. P. Vijayendra Kumar
Prof. M. P. Vijayendra Kumar
Principal, JSSCACS
City Road, Mysuru - 25
City Road, Mysuru - 25

Examiners:

1. *[Signature]*

2.

Place: Mysore

Date

QUALITY ANALYSIS AND QUALITY CONTROL OF MILK AND MILK PRODUCTS

Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.,) degree in Biotechnology of University of

Mysore

Submitted by

Ms. SUSHMA GAONKAR

Reg. No. JBT20041

IV Semester

Under the guidance of

External Guide

Ms. LAVANYAVATHI. S.V

Deputy manager of Quality control

DEPT. OF MYMUL

Internal Guide

Dr. B.Y. SATHISH KUMAR

Assistant Professor and Head,

PG Dept. Of Bio-Technology



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'QUALITY ANALYSIS AND QUALITY CONTROL OF MILK AND MILK PRODUCTS' is a bonafide work carried out by Ms. SUSHMA GAONKAR (Reg.no.JBT20041) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

External Guide

Ms. LAVANYAVATHI S.V.

Deputy manager of Quality control
DEPT of MYMUL

Internal Guide -

B.Y. Sathish Kumar

Examiners:

- 1.
- 2.

B.Y. Sathish Kumar

B.Y. Sathish Kumar

Dr. B.Y. Sathish Kumar
Assistant Professor and Head
PG Dept. of Bio-Technology

JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570025

M.P. Vijayendra Kumar

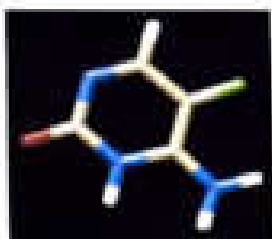
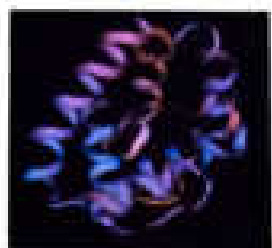
Prof. M. P. Vijayendra Kumar
Principal, JSSCACS

Ooty road, Mysore - 25.

Place: Mysore

Date:

***In Silico* Screening of Antibiotic & Antifungal drugs against
protein Pathways of Toll & IMD for New Generation Drug
Designing**



Project Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts,
Commerce and Science in partial fulfillment of the requirements for the award of
Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by
Ms. PRAMITHA G
Reg. No. JBT20021
IV Semester

Under the guidance of
External Guide
Dr MADHUSUSHAN K N
Scientist-D
Molecular Biology and Bioinformatics Laboratory, CSRTL, Mysuru



**Postgraduate Department of Biotechnology
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE**

(An Autonomous College of University of Mysore)

MYSURU - 570025

July - 2022

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSURU - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled '*In Silico* Screening of Antibiotic & Antifungal drugs against protein Pathways of Toll & IMD for New Generation Drug Designing' is a bonafied work carried out by Ms. Pramitha G (Reg.no. JBT20021) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE:


External Guide-

Internal Guide-



Dr Madhusudhan K N

Scientist-D

Molecular Biology and Bioinformatics
Laboratory, CSRTL, Mysuru.


Dr. B.Y. Sathish Kumar
Assistant Professor and Head
PG Dept. of Bio-Technology

JSS College of Arts, Commerce & Science


Prof. M. D. Vijayendra Kumar
Principal, JSSCACS

J.S.S. College of Arts, Commerce & Science
Mangalagiri, Gooty Road, Mysuru - 25.

Examiners:

1. 

2. 

Place: Mysuru

Date:

UNIVERSITY OF MYSORE

Mysore - 570025, Karnataka



Internship Report

On

“GENERAL RECOMBINANT PROTEIN ANALYSIS”

Submitted in the partial fulfillment of the requirements for the award of the Degree of

**MASTER OF SCIENCE (M.SC.) DEGREE
IN
BIOTECHNOLOGY**

Submitted by

**MS. SUPREETHA S
JBT20040**

To

The Postgraduate Department of Biotechnology

Under the Guidance of

External Guide

**DR. GOPA MITRA,
R&D Manager, Laurus Bio Pvt. Ltd., Bangalore**

Internal Guide

**DR. B.V. SATHISH KUMAR
Head of Postgraduate Department Of Biotechnology,
JSS College Of Arts, Commerce And Science, Ooty Road, Mysuru**

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

POSTGRADUATE DEPARTMENT OF BIOTECHNOLOGY



CERTIFICATE

Certified that project/internship report entitled 'GENERAL RECOMBINANT PROTEIN ANALYSIS' is a bonafied work carried out by Ms. Supreetha S (Reg.no. JBT20040) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

[Handwritten Signature]

[Handwritten Signature]

External Guide
Dr. Gopa Mitra
R&D Manager
Laurus Bio Pvt Ltd, Bangalore

Signature of HOD
Dr. B.Y. Sathish Kumar
Assistant Professor and Head
Head of the Department
PG Dept. of Biotechnology

Signature of Principal
Prof. M. P. Vijayendra Kumar
Principal, JSSCAC'S
Ooty road, Mysore - 25

JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 577 005

Internal Guide

[Handwritten Signature]

Dr. Poonam S Jaiswal

External Viva

Name of the Examiners

Signature with date

1. *[Handwritten Signature]*

2. _____

QUALITY CONTROL AND QUALITY ASSURANCE

Internship Report

Submitted to the Postgraduate Department of Biotechnology,

JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the
award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. SAHANA.C.Y

Reg. No. JBT20029

IV Semester

Under the guidance of

External Guide

LAVANYVATHI.S.V

Deputy manager of Quality control

DEPT. of MYMUL

Internal Guide

Dr. B.Y. SATHISH KUMAR

Assistant Professor and Head,

PG Dept. of Bio-Technology



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025

July - 2022

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'Quality Control and Quality Assurance' is a bonafide work carried out by Ms. Sahana.C.Y (Reg.no. JBT20029) in partial fulfilment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S)

External Guide -

Lavanyathi,S.V

Deputy manager of Quality control

DEPT. of MYMUL

Internal Guide -

Varanath Patil M.B.


Examiners:


- 1.
- 2.

Place: Mysore

Date:

30/9/22


Dr. B.Y. Sathish Kumar
Assistant Professor and Head,
PG Dept. of Bio-Technology
JSS College of Arts, Commerce & Science
Mysore


Prof. M.P. Vijayendra Kumar
Principal, JSSCACS
Coty road, Mysore - 25.

**Agricultural applications of Metal complexes and
Nanoparticles**

Project Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

ROJA L

Reg. No. JBT20026

IV Semester, MSc., Bio-technology

Under the guidance of

Dr .REKHA.N.D

Assistant professor

Postgraduate Department of Bio-Technology



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

July -2022

JSSCOLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled 'AGRICULTURAL APPLICATIONS OF METAL COMPLEXES AND NANOPARTICLES' is a bonified work carried out by ROJA L (Reg.no. JBT20026) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE:

Rekha N.D.
Dr. Rekha N.D

Assistant professor
Department of Bio-Technology

B.Y. Sathish Kumar
Dr. B.Y. Sathish Kumar

Assistant Professor and Head,
PG Dept. of Biotechnology
JSS College of Arts, Commerce & Science
Bate Road, Mysore - 570025

Examiners:

1.

2.

Place: Mysore

Date:

M.P. Vijayendra Kumar
Prof. M. P. Vijayendra Kumar

Principal, JSSCAS
Ooty road, Mysore - 25.

Papaya Plant Tissue Culture

Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (MSc) degree in Biotechnology of University of Mysore

Submitted by

Chaithra B G

Reg. No. JBT20006

IV Semester

Under the guidance of

Dr. Pious Thomas

CEO & Director, Thomas Biotech & Cytobacts Centre for Biosciences (OPC) Pvt. Ltd.,
Bengaluru 560092



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025

JULY- 2022

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'Papaya Plant Tissue Culture' is a bonafied work carried out by Chaithra B G (Reg.no. JBT20006) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the Guide

External Guide -

Name of the Guide with seal

Pious
16/7/22

Dr. PIOUS THOMAS, Ph. D.
CEO & DIRECTOR
Thomas-Biotech & Cytobacts Centn
for Biosciences (OPC) Pvt. Ltd.
318, Talacauvery Layout, Amruthahalli
Bengaluru 560097

B. Y. Sathish Kumar
Dr. B. Y. Sathish Kumar
Assistant Professor and Head,
PG Dept. of Biotechnology
JSS College of Arts, Commerce & Science
Mysore - 570025

M. P. Vijayendra Kumar
Prof. M. P. Vijayendra Kumar
Principal, JSSCACS,
Ooty road, Mysore - 25

Internal Guide -

B. Y. Sathish Kumar

Examiners:

1.

[Signature]

2.

N. Chandra

QUALITY ANALYSIS AND QUALITY CONTROL OF MILK AND MILK PRODUCTS.

INTERNSHIP REPORT

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce, And Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology at the University of Mysore.

Submitted by

Ms. K.C SWAPNA

Reg.NO. JBT20013

IV Semester

Under the guidance of

EXTERNAL GUIDE

Ms. Lavanyavati S.V

Deputy Manager (Quality Control)

MYMUL, KMF, Mysore

INTERNAL GUIDE



Postgraduation Department Of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE, AND SCIENCE

(An Autonomous College Of University Of Mysore)

MYSORE – 570025

JSS COLLEGE OF ARTS, COMMERCE, AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified the internship report entitled "QUALITY ANALYSIS AND QUALITY CONTROL OF MILK AND MILK PRODUCTS" is benefited work carried out by Ms. K.C. SWAPNA (Reg.No:JBT20013) in partial fulfillment of the requirements for the award of Masters of Science degree in Biotechnology of the University of Mysore.

GUIDES

EXTERNAL GUIDE

Ms. Lavanyavati S.V

Deputy Manager (Quality Control)

MYMUL, KMF, Mysore

Dr. B. Y. Sathish Kumar

Assistant Professor and Head,

PG Dept. of Biotechnology

JSS College of Arts, Commerce & Science

Doty Road, Mysore - 570025

INTERNAL GUIDE

Varanthy Parul K.B.

Prof. M.P. Vijayendra Kumar

Principal, JSSCACS

Doty Road, Mysore -25

Examiners

1

2

Place Mysore

Date: 29/7/2022

QUALITATIVE ANALYSIS OF MILK AND MILK PRODUCTS.

Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysuru

Submitted by

RAJESA ALAMEL

Reg.No: JBT20025

IV Semester

Under the guidance of

Ms. Lavanyavathi S V

Head of quality control

DEPT. MYMUL



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysuru)

MYSURU-570025

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysuru)

MYSURU - 570025

Re-accredited by NAAC with A Grade, CGPA:3.21 Recognized by UGC as college with Potential for Excellence



Postgraduate Department of Biotechnology

Certificate

This is to certify that Mr. RAJESA ALAMEL (Reg.No:JBT20025) Has completed the project work on "QUALITATIVE ANALYSIS OF MILK AND MILK PRODUCT" at J S S College University of Mysuru , during IV Semester of his final M.sc. Biotechnology course, as a partial fulfilment of the requirement to award M.sc. Degree in Biotechnology by JSS college Ooty road Mysuru.

GUIDE:

Ms.Lavanyavathi S V

Head of Quality control

Dept. MYMUL

Name and Signature of the Guide

Varanath Patil H.B.

Dr. B Y Sathish Kumar

Assistant Professor and Head,

PG Dept. of Biotechnology

Department of
College of Arts, Commerce & Science

Biotechnology

Prof. M. P. Vijayendra Kumar

Principal, JSSCACS

Ooty road, Mysore - 25.

Examiner:

1.

30/7/22

2.

30/7/22

QUALITY ANALYSIS AND QUALITY CONTROL OF MILK AND MILK PRODUCTS.

INTERNSHIP REPORT

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce, And Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.,) degree in Biotechnology at the University of Mysore.

Submitted by

Ms. RUCHITHA CHOUDARY K

Reg.NO. JBT20027

IV Semester

Under the guidance of

EXTERNAL GUIDE

Ms. Lavanyavati S.V

Deputy Manager (Quality Control)

MYMUL, KMF, Mysore

INTERNAL GUIDE



Postgraduation Department Of Biotechnology
JSS COLLEGE OF ARTS, COMMERCE, AND SCIENCE

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JSS COLLEGE OF ARTS, COMMERCE, AND SCIENCE

(An Autonomous College Of University Of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology


CERTIFICATE

Certified the internship report entitled "QUALITY ANALYSIS AND QUALITY CONTROL OF MILK AND MILK PRODUCTS" is benefited work carried out by Ms. RUCHITHA CHOUDARY K (Rge.No JBT20027) in partial fulfillment of the requirements for the award of Masters of Science degree in Biotechnology of the University of Mysore.

GUIDES:

EXTERNAL GUIDE

Ms. Lavanyavati S.V
Deputy Manager (Quality Control)
MYMUL, KMF, Mysore


Dr. B.Y. Sathish Kumar
Head of the Department
Assistant professor and Head
PG Dept. of Food Technology

JSS College of Biotechnology & Science
Ooty Road, Mysore - 570025

INTERNAL GUIDE


Varanath Patil H.B.


PRINCIPAL
Prof. M.P. Viswendra Kumar
JSS College of Arts, Commerce & Science
Mysore
Principal, JSS ACS

Ooty Road, Mysore -25

Examiners:

- 
- 

Place: Mysore

Date:


30/7/22

**INTERNSHIP REPORT ON SAFETY ASSESSMENT OF
PHARMACEUTICALS/INDUSTRIAL CHEMICALS BY**

***IN-VIVO* METHODS**

Project/Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Mr. Aleem S M

Reg. No. JBT20003

IV Semester

Under the guidance of
External Guide

Mr. M Sai Kumar

HOD

Department of toxicology
Vipragen Biosciences Pvt. Ltd.

Internal Guide

Dr. Abignan Gurukar

Assistant Professor,
PG Dept. of Bio-Technology



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

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MYSORE -570025

JULY - 2022

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'Internship report on Safety Assessment Of Pharmaceuticals/ Industrial Chemicals By *In-Vivo* Methods' is a bonafide work carried out by Mr. ALEEM S M (Reg.no. JBT20003) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Mr. M Sai Kumar

External Guide -

HOD, Department of toxicology
Vipragen Biosciences Pvt. Ltd.

PG Dept. of Biotechnology

JSS College of Arts, Commerce & Science
Baly Road, Mysore 570025

Internal Guide - *Mrs. Abignan Gurukar*

Dr. Abignan Gurukar

Assistant Professor,

PG Dept. of Bio-Technology

Prof. M. P. Vijayendra Kumar

JSS Principal, JSS/ACS, JSS & Science
Baly Road, Mysore 570025

Examiners:

1. *[Signature]*

2. *[Signature]*

Place: Mysore

Date:

GENERAL INDUSTRIAL TRAINING IN PRODUCTION
DEPARTMENT

Internship Report
Submitted to the

Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science

in partial fulfilment of the requirements for the award of
Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. Pallavi.K.H

Register No:JBT20018

IVth Semester

Under the guidance of
Mr. Rakesh.D,

General Manager

Mr. Partiban.G

Production Manager

Laurus Bio Pvt. Ltd, Tumkuru



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

JSS Mahavidyalaya

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous college of university of Mysore)


MYSORE - 570025



CERTIFICATE


Certified that project report entitled '**GENERAL INDUSTRIAL TRAINING IN PRODUCTION**' is a bonified work carried out by **MS. Pallavi K.H (Reg.no. JBT20018)** in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore.

GUIDE:
EXTERNAL GUIDE :
PARTIBAN .G
Production Manager
Laurus. Bio Pvt Ltd
Tumkur


Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of Bio-
Technology
JSS College of Arts, Commerce & Science
Bety Road, Mysore 570 025

INTERNAL GUIDE




Prof. M.P. Vijayendra Kumar
Principal, JSSGACS
Ooty road, Mysore - 25.

Examiners:

1. 

2. 

Place: Mysore

QUALITATIVE ANALYSIS OF MILK AND MILK PRODUCTS.

Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysuru

Submitted by

SAHUL HAMEED A H

Reg.No: JBT20031

IV Semester

Under the guidance of

Ms. Lavanyavathi S V

Head of quality control

DEPT. MYMUL



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysuru)

MYSURU-570025

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysuru)

MYSURU - 570025

Re-accredited by NAAC with A Grade, CGPA:3.21 Recognized by UGC as college with Potential for Excellence



Postgraduate Department of Biotechnology

Certificate

This is to certify that Mr SAHUL HAMEED A H (Reg.No:JBT20031) Has completed the project work on "QUALITATIVE ANALYSIS OF MILK AND MILK PRODUCT" at J S S College University of Mysuru , during IV Semester of his final M.sc. Biotechnology course, as a partial fulfilment of the requirement to award M.sc. Degree in Biotechnology by JSS college Ooty road Mysuru.

GUIDE:

Ms.Lavanyavathi S V
Head of Quality control
Dept. MYMUL

Name and Signature of the Guide

Vasanthi Parth H.S.

Dr. B Y Sathish Kumar

Assistant professor and Head,
PG Dept of Biotechnology
PG Department of
Bio-technology

Prof. M. P. Vijayendra Kumar

Principal, JSSCACS
Ooty road, Mysore - 25.

Examiner:

1.  20/07/2022

2.  20/7/22

**'Isolation and characterization of bioactive peptide (POST-BIOTICS)
produced by probiotic bacteria'**

Project Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts,
Commerce and Science in partial fulfillment of the requirements for the award of Master
of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Mr. R. Rakesh

Reg. No. JBT20024

IV Semester

Under the guidance of

External Guide

Dr. Shylaja. R

Scientist 'F', Defence Food Research Laboratory, DRDO, Mysuru



Internal Guide

Dr. B.Y. Sathish Kumar

Assistant Professor Head

Postgraduate Department Biotechnology, JSSCACS, Ooty Road, Mysuru



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled 'Isolation and characterization of bioactive peptide (POST-BIOTICS) produced by probiotic bacteria' is a bonafide work carried out by Mr. R. Rakesh (Reg.no. JBT20024) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

External Guide

Dr. Shylaja. R

Scientist 'F', DERL, Mysuru.

Dr. SHYLAJA.R.
Scientist
DERL, Mysore-570011

Examiners:

1.

2.

Internal Guide

Dr. B.V. Sathish Kumar

Assistant Professor and Head
PG Dept. of Bio-Technology

JSS College of Arts, Commerce & Science
Mysore - 570025

Duty Road, Mysore - 570025

Prof. M. P. Vijayendra Kumar

Principal, JSSCAES
Ooty road, Mysore - 25.

Place: Mysore

Date:

**ISOLATION AND CHARACTERIZATION OF LACTIC
ACID BACTERIA STRAINS FROM RAW AND
FERMENTED GINGER**

Project/Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS
College of Arts, Commerce and Science in partial fulfillment of the
requirements for the award of Master of Science (M.Sc.) degree in
Biotechnology of University of Mysore

Submitted by

Mr. SUHAS R.P

Reg. No. JBT20039

IV Semester

Under the guidance of

External Guide

Dr. SHRUTHI S.D

Proprietress

BioEdge Solutions

1st floor, M 400, 8th cross, 1st stage, Peenya Industrial Area, Bangalore 560058

Internal Guide

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled **'ISOLATION AND CHARACTERIZATION OF LACTIC ACID BACTERIA FROM RAW AND FERMENTED GINGER'** is a bonafide work carried out by Mr.SUHAS R.P (Reg.no. JBT20039) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

External Guide - **Dr. Shruthi S.D**

For BioEdge Solutions

Signature
Proprietress

Signature

Dr. B.Y. Sathish Kumar
Assistant Professor and Head
PG Dept. of Biotechnology & Science
JSS College of Arts, Commerce & Science
Bate Road, Mysore - 570025

Signature of the Guide

Internal Guide - *Signature*

Dr. Poonam S. Jainwal
Examiners:

- Signature*
-

Signature
Prof. M. P. Vijayendra Kumar
Principal, JSSC ACS
Bate Road, Mysore - 25.

Place: Mysore
Date: 30/07/2022

"CELL BANKING AND CHARACTERIZATION"

Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. Usha.S.T

Reg. No.JBT20045

IV Semester

Under the guidance of

External Guide

Mr. Rahul Shashikanth Naik

Principal Scientist, Biocon Research Limited, Bangalore

Internal Guide



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025

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(An Autonomous College of University of Mysore)

MYSORE-570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that internship report entitled 'CELL BANKING' is a bonafied work carried out by Ms. Usha.S.T (Reg.no.JBT20045) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE:

External Guide:

Rahul Shashikanth Naik

Principal Scientist, Biocon Research Limited, Bangalore

Signature of the Guide

Internal Guide:

M.S. Abignan Renukadevi

Examiners:

1.

[Signature]

2.

[Signature]
Dr. B.Y. Sathish Kumar
Assistant Professor and Head,
PG Dept. of Bio-Technology
JSS College of Arts, Commerce & Science

[Signature]
Prof. M.P. Vijayendra Kumar
Principal, JSSACS
Ooty road, Mysore - 25.

Place: Mysore

Date:

SHREEGLUCO BIOTECH PVT LTD

Manufacturer of corn starch and its derivatives

Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysuru

Submitted by

Prajwal N

Reg.No: JBT20020

IV Semester

Under the guidance of

Mr Dattatreya Nitturkar

(DGM) QA/QC

Shreegluco biotech pvt ltd



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysuru

MYSURU-570025

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that internship report entitled 'Shreegluco biotech pvt ltd. Starch and its derivatives' is a bonafied work carried out by Mr Prajwal N (Reg.no. JBT20020) in partial fulfilment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

Guide:


Dr. B.Y. Sathish Kumar

Assistant Professor and Head,

PG Dept. of Biotechnology

JSS College of Arts, Commerce & Science

Udyog Road, Mysore

External guide:

Mr Dattatreya Nitturkar

(DGM) QA/QC

Shreegluco biotech pvt ltd


Prof. M. P. Vijayendra Kumar

Principal, JSSCACS

Udyog Road, Mysore

Internal guide:



Examiners

1. 

2. 

Date: 29/07/2022

Place: Mysore

QUALILATIVE ANALYSIS OF MILK AND MILK PRODUCTS

InternshipReport

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.,) degree in Biotechnology of University of Mysore

Submitted by

Mr.SUHAS H S

Reg. No. JBT20038

IV Semester

Under the guidance of

External Guide

Ms.LAVANYAVATHI S V

Deputy manager (Qc department)

MYMUL

Internal Guide



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

(An Autonomous College of University of Mysore)

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'QUALILATIVE ANALYSIS OF MILK AND MILK PRODUCTS' is a bonafide work carried out by Mr. SUHAS H S (Reg. no. JBT20038) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the Guide

External Guide -

Ms. LAVANYAVATHI S V

Deputy manager (Qc department)

MYMUL

Internal Guide -

Dr. Poonam S. Jainwal

Dr. B.Y. Sathish Kumar
Assistant Professor and Head,
PG Dept. of Biotechnology

JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570 005

Prof. M. P. Vijayendra Kumar
Principal, JSSCAC

Ooty road, Mysore - 25.

Examiners:

1.

2.

Place: Mysore

Date: 30/07/2022

**THE ROLE OF PYRAZOLINE DERIVATIVES IN ENHANCING
SOIL FERTILITY AND PRODUCTION OF CITRIC ACID**

Project Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

SONA

Reg. No. JBT20036

IV Semester, MSc., Bio-technology

Under the guidance of

Dr . REKHA.N.D

Assistant professor

Postgraduate Department of Bio-Technology



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

July -2022

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'THE ROLE OF PYRAZOLINE DERIVATIVES IN ENHANCING SOIL FERTILITY AND PRODUCTION OF CITRIC ACID' is a bonified work carried out by SONA (Reg.no. JBT20036) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE:

Rekha N.D.
Dr.Rekha N.D.

Assistant professor
Department of Bio-Technology

B.Y. Sathish Kumar
Dr. B.Y. Sathish Kumar

Assistant Professor and Head,
PG Dept. of Biotechnology
JSS College of Arts, Commerce & Science,
Mysore

Examiners:

1. *[Signature]*
2. *[Signature]*

[Signature]
Prof. M. P. Vijayendra Kumar

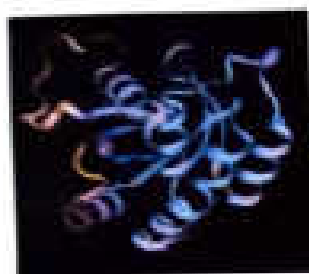
Principal, JSSCACS
Ooty road, Mysore - 25.

Place: Mysore

Date:

[Signature]
30/7/22

***In Silico* Screening of Antiviral drugs against Protein
Pathways of JAK-STAT & ERK as a Primary approach to
Design New Generation Drugs**



Project Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts,
Commerce and Science in partial fulfillment of the requirements for the award of
Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. CHANDANA M.

Reg. No. JBT20007

IV Semester

Under the guidance of
External Guide

Dr. MADHUSUDHAN K N

Scientist-D

Molecular Biology and Bioinformatics Laboratory, CSRTI, Mysuru.



**Postgraduate Department of Biotechnology
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE**

(An Autonomous College of University of Mysore)

MYSURU - 570025

July 2022

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSURU - 570025



Postgraduate Department of Biotechnology


CERTIFICATE


Certified that project report entitled "*In Silico* Screening of Antiviral drugs against Protein Pathways of JAK-STAT & ERK as a Primary approach to Design New Generation Drugs" is a bonafied work carried out by Ms. Chandana M. (Reg.no. JBT20007) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.


GUIDE:

External Guide -


Internal Guide -


21/7/22
Dr. Madhusudhan K N.
Scientist-D
Molecular Biology and Bioinformatics
Laboratory, CSRTI, Mysuru.


Dr. R.Y. Sathish Kumar
Assistant Professor and Head,
PG Dept. of Bio-Technology
JSS College of Arts, Commerce & Science
Coty road, Mysuru - 570025


Prof. M. P. Vijayendra Kumar
Principal, JSSGACS
JSS College of Arts, Commerce & Science
Coty road, Mysuru - 570025

Examiners:

- 
- 

Place: Mysuru

Date:

Papaya Plant Tissue Culture

Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (MSc) degree in Biotechnology of University of Mysore

Submitted by

Niveditha S

Reg. No. JBT20017

IV Semester

Under the guidance of

Dr. Pious Thomas

CEO & Director, Thomas Biotech & Cytobacts Centre for Biosciences (OPC) Pvt. Ltd.,
Bengaluru 560092



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

JULY- 2022

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'Papaya Plant Tissue Culture' is a bonafied work carried out by Niveditha S(Reg.no. JBT20017) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the Guide

External Guide -

Name of the Guide with seal

Pious
16/7/22
Dr. PIOUS THOMAS, Ph. D.
CEO & DIRECTOR
Thomas-Biotech & Cytobacts Centre
Biosciences-OPC Pvt. Ltd.
318A Talacauvery-Layout, Amruthahalli,
Bengaluru - 560097

B. Y. Sathish Kumar
Dr. B. Y. Sathish Kumar
Assistant Professor and Head
PG Dept. of Bio-Technology
JSS College of Arts, Commerce & Science
Bate Road Mysore 570025

M. P. Vijayendra Kumar
Prof. M. P. Vijayendra Kumar
Principal, JSSACS
Bate Road, Mysore 570025

Internal Guide -

M. Chandra

Examiners:

- 1.
- 2.

[Signature]
[Signature]

"QUALITY CONTROL OF DAIRY PRODUCTS"

Internship report

**Submitted to the Post graduate Department of Biotechnology, JSS
College of Arts, Commerce and Science in partial fulfillment of the
requirements for the award of Master of Science (M.Sc.) degree in
Biotechnology of University of Mysore**

Submitted by:

**Ms. MEGHA P.
JBT20016
II M.Sc. – IV SEMESTER
PG- BIOTECHNOLOGY
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE, MYSORE**

Under the guidance of:

**MS. LAVANYAVATHI S.V.
DEPUTY MANAGER
MYSORE MILK UNION LIMITED (MYMUL)**



**Postgraduate Department of Biotechnology
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE**

(An Autonomous College of University of Mysore)

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that internship report entitled 'QUALITY CONTROL OF DAIRY PRODUCTS' is a bonafide work carried out by Ms. Megha P. (Reg. No. JBT20016) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE:

External guide

Ms. LAVANYAVATHI S.V.
Assistant Manager (Admin)
Mysuru Dist. Co-operative Milk
Producer's Societies Union Ltd.,
Mysuru-570 028
Signature of the guide

Internal Guide -

Examiners:

1.

2.

Place: Mysore

Date: 29/07/2022

Dr. B.Y. Sathish Kumar
Assistant Professor and Head
PG Dept. of Biotechnology

JSS College of Arts, Commerce & Science

City Road, Mysuru-570 028

Prof. M. P. Vijayendra Kumar
Principal, JSSCACS
Major Gasy road, Mysuru -25

GENERAL RECOMBINANT PROTEIN PRODUCTION IN UPSTREAM PROCESSING AT LAURUS BIO Pvt Ltd.,

INTERNSHIP REPORT

**SUBMITTED TO THE POSTGRADUATE DEPARTMENT OF
BIOTECHNOLOGY, JSS COLLEGE OF ARTS, COMMERCE AND
SCIENCE IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR
THE AWARD OF MASTER OF SCIENCE (M.Sc.) DEGREE IN
BIOTECHNOLOGY OF UNIVERSITY OF MYSORE**

Submitted by

**Ms. Swetha Jagadeesh
Register No: JBT20044
IVth Semester**

Under the guidance of -

External Guide

**Mr. Jeevarathinam. S
Manager, R&D Upstream
Laurus Bio (formerly rich core) Pvt Ltd., Bangalore**

Internal Guide

**DR. B. Y. Sathish Kumar
Head of Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science, Ooty Road, Mysore**



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE, AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE – 570025

July - 2022

2021 - 2022

JSS COLLEGE OF ARTS, COMMERCE, AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that the internship report entitled 'GENERAL RECOMBINANT PROTEIN PRODUCTION IN UPSTREAM PROCESSING AT LAURUS BIO Pvt Ltd.' is a bonafide work carried out by Ms. Swetha Jagadeesh (Reg.no. JBT20044) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of the University of Mysore during the year 2021-2022.

GUIDE(S):

EXTERNAL GUIDE:

Mr. Jeevarathinam. S

Manager, R&D Upstream

Laurus Bio (formerly rich core) Pvt Ltd.,
Bangalore

INTERNAL GUIDE:

Dr. B.Y. Sathish Kumar

Assistant Professor and Head,

PG Dept of Biotechnology

JSS College of Arts, Commerce & Science

Date: 14/06/2022

Prof. M. P. Vijavendra Kumar

Principal, JSSCACS

Ooty road, Mysore - 25.

EXAMINERS:

1.

2.

Place: Mysore

Date:

GENERAL INDUSTRIAL TRAINING IN PRODUCTION

Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.,) degree in Biotechnology of University of Mysore

Submitted by

Ms. VARSHA H S

Reg.No : JBT20046

IV Semester

Under the guidance of

Mr. RAKESH D
General Manager
Laurus Bio Pvt Ltd Tumkur

Mr. PARTIBAN G
Production Manager
Laurus Bio Pvt Ltd Tumkur



Postgraduate Department of Biotechnology
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that internship report entitled 'GENERAL INDUSTRIAL TRAINING IN PRODUCTION' is a bonafied work carried out by Ms.VARSHA H S (Reg.No. JBT20046) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.


GUIDE:

EXTERNAL GUIDE

Mr.PARTIBAN G

Production Manager

Laurus Bio Pvt Ltd Tumkur


Dr. B.Y. Sathish Kumar
Assistant Professor and Head,
PG Dept. of Bio-Technology
J.S.S. College of Arts, Commerce & Science
Ooty Road, Mysore - 570025

INTERNAL GUIDE


M.S. Abignor Aravakar


PRINCIPAL
Prof. M.P. Vijayendra Kumar
Principal, JSSCACS
Ooty road, Mysore - 25.

Examiners:

- 1.
- 2.

Place: Mysore

Date:

GENERAL INDUSTRIAL TRAINING IN PRODUCTION
DEPARTMENT(UPSTREAM PROCESS) AT
LAURUS BIO Pvt Ltd.,

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfilment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Mr. SHIVALINGA G C

Register No: JBT20035

IVth Semester

Under the guidance of

Dr. B. Y. Sathish Kumar

Head of Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science, Ooty Road, Mysore.

Mr. Suresh C

Production Manager

Mr. Sathish

Upstream Manager

Laurus Bio Pvt. Ltd, Bommasandra Bangalore-560105

July - 2022

JSS Mahavidyaapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE -570025



CERTIFICATE

Certified that project report entitled 'GENERAL INDUSTRIAL TRAINING IN PRODUCTION DEPARTMENT (UPSTREAM PROCESS) AT LAURUS BIO Pvt Ltd is a bonified work carried out by Mr. Shivalinga G C (Reg.no. JBT20035) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2021 - 22.

B. Y. Sathish Kumar

GUIDE: Dr. B. Y. Sathish Kumar

Head of the Department
Dr. B. Y. Sathish Kumar
Assistant Professor and Head
Postgraduate Department of
Bio-technology

M. P. Vijayendra Kumar

Prof. M. P. Vijayendra Kumar
Principal, JSSCAES
Ooty road, Mysore-25

Examiners:

1. *[Signature]* 30/9/22
2. *[Signature]*

Place: Mysore

[Signature]
30/9/22

FERMENTATION TECHNOLOGY

Project/Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfilment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. Samathashree.K

Reg. No. JBT20032

IV Semester

Under the guidance of

External Guide

Dr. Prasad M.P M.Sc., PHD
Director of Sangene Biotech company

2nd Cross, Sigma Consultants,
Krishna Reddy Colony, Domlur Layout,
Bengaluru-560071, Karnataka, India.

Internal Guide

Dr. B.Y. Satish Kumar, M.Sc., PhD

Head of Department, Biotechnology, JSSCACS



Postgraduate Department of Biotechnology
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 576005

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology CERTIFICATE

Certified that project/internship report entitled "FERMENTATION TECHNOLOGY" is a bonafied work carried out by Ms. Samathashree K (Reg.no. JBT20032) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Dr. Prasad M.P M.Sc., PHD
Director of Sangene biotech,
Bengaluru-560071

Dr. B.Y. Sathish Kumar
Assistant Professor and Head,
PG Dept. of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570025

Prof. M. P. Vijayendra Kumar
Principal, JSSCACS
Ooty road, Mysore - 25.

Examiners:

- 1.
- 2.

Place: Mysore

Date:

30/9/22

Vasanth Patil H.B.

FERMENTATION TECHNOLOGY

Project/Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Mr. Sonu Aras R.

Reg. No. JBT20037

IV Semester

Under the guidance of

External Guide

Dr. Prasad M.P M.Sc., PHD
Director of Sangene Biotech company

2nd Cross, Sigma Consultants,
Krishna Reddy Colony, Domlur Layout,
Bengaluru-560071, Karnataka, India

Internal Guide



Postgraduate Department of Biotechnology
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025

JSSCOLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025





Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'FERMENTATION TECHNOLOGY' is a bonafied work carried out by Mr. SONU ARAS R. (Reg.no.JBT20037) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):


Dr. Prasad M.P.M.Sc., PHD
Director of Sangene biotech,
Bengaluru-560071


Dr. B.Y. Sathish Kumar
Assistant Professor and Head,
PG Dept. of Biotechnology

Internal guide:


Dr. Poonam S. Jaiswal


Prof. M. P. Vijayendra Kumar
Principal, JSSCACS
Ooty road, Mysore - 25.

Examiners:

1. 
- 2.

Place: Mysore

Date:

QUALITY ANALYSIS AND QUALITY CONTROL OF MILK AND MILK PRODUCTS

Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of

Mysore

Submitted by

Ms. INCHARA. M.K

Reg. No. JBT20012

IV Semester

Under the guidance of

External Guide

Ms. LAVANYAVATHI. S.V

Deputy manager of Quality control

DEPT. OF MYMUL

Internal Guide

Dr. B.Y. SATHISH KUMAR

Assistant Professor and Head,

PG Dept. Of Bio-Technology



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'QUALITY ANALYSIS AND QUALITY CONTROL OF MILK AND MILK PRODUCTS' is a bonafide work carried out by Ms. INCHARA MK (Reg.no.JBT20012) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

External Guide

Ms.LAVANYAVATHI S.V.

Deputy manager of Quality control
DEPT of MYMUL

Internal Guide -

Approved
Dr. Poonam Jaiswal

Examiners:

1.

[Signature]

2.

[Signature]

[Signature]
Dr. B.V. Sathish Kumar
Assistant Professor and Head,
PG Dept. of Bio-Technology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore - 570 025

[Signature]
Principal
Prof. M. P. Vijayendra Kumar
Principal, JSSCACS
Ooty road, Mysore - 25.

Place: Mysore

Date:

QUALITATIVE ANALYSIS OF MILK AND MILK PRODUCTS.

Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysuru

Submitted by

PRADEEPKUMAR K N

Reg.No: JBT20019

IV Semester

Under the guidance of

Ms. Lavanyavathi S V

Head of quality control

DEPT. MYMUL



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysuru)

MYSURU-570025

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysuru)

MYSURU -570025

Re-accredited by NAAC with A Grade, CGPA:3.21 Recognized by UGC as college with Potential for Excellence



Postgraduate Department of Biotechnology

Certificate

This is to certify that Mr. PRADEEPKUMAR K N (Reg.No:JBT20019) Has completed the project work on "QUALITATIVE ANALYSIS OF MILK AND MILK PRODUCT" at J S S College University of Mysuru , during IVSemester of his final M.sc. Biotechnology course ,as a partial fulfilment of the requirement to award M.sc. Degree in Biotechnology by J s s college ooty road Mysuru.

GUIDE:

External guide:

Ms.Lavanyavathi S V
Head of Quality control
Dept. MYMUL

Internal guide:

Examiners:

1. 
2. 

Date:29/07/2022

Place:mysore



Dr. B Y Sathish kumar

Assistant professor Head
Post graduate Department, Biotech
JSS College of Arts, Commerce & Science
Ooty Road, Mysuru-570025



prof. M .P vijayendra kumar

Principle JSS CACS
Ooty Road, Mysuru-570025

Ooty road mysore

**IN VITRO REGENERATION OF SHOOTS FROM NODAL
EXPLANTS OF MULBERRY (*Morus indica* L.) cv. AGB8**

Dissertation of Project work

Submitted by

MS. BHOOMIKA B V

(JBT 20005)

Master of Science (M. Sc. Biotechnology)

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

OOTY ROAD, MYSURU- 570025



Under the Guidance of

DR. TANMOY SARKAR

Scientist-C

Mulberry Breeding and Genetics Laboratory

In partially fulfillment for the requirements of

MASTER OF SCIENCE IN BIOTECHNOLOGY



Central Sericultural Research & Training Institute
(Central Silk Board, Ministry of Textiles, Govt. of India, Srirampura
Mysuru-570008)

2022

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous under University of Mysore)MYSORE-570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled "IN VITRO REGENERATION OF SHOOTS FROM NODAL EXPLANTS OF MULBERRY (*Morus indica* L.) cv.AGB8" is a bonafied work carried out by Ms. BHOOMIKA B V (JBT20005) in partial fulfilment of the requirements for the of Master of degree in Biotechnology of University of Mysore.

Dr. Tanmoy Sarkar
Signature of Guide

Internal Guide

Examiners:

- 1.
- 2.

Place:

Date: 29/7/2022

Dr. B Y Sathish Kumar
Assistant Professor and HOD (IC),
Postgraduate Department of
Biotechnology.

PG Dept of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore-570025

Dr. M. P. Vijayendra Kumar
Principal, JSSCACS
Ooty Road, Mysore-25

PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

QUALITY CONTROL AND QUALITY ASSURANCE

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Mr.DARSHAN H R

Reg. No. JBT20008

IV Semester

Under the guidance of External Guide

Ms.S.V.Lavanyavathi

Mymul KMF Mysore

Internal Guide

Mr. Dr. B.Y. Sathish Kumar
Assistant Professor and Head,
PG Dept. of Bio-Technology



Postgraduate Department of Biotechnology
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(An Autonomous College of University of Mysore)

MYSORE -570025

2022

MYSORE - 570025



Postgraduate Department of Biotechnology
CERTIFICATE

Certified that project report entitled

'Quality Control & Quality Assurance of Dairy Products 'is a bonified work carried out by Mr DARSHAN H R (Reg.no- JBT20008) in partial fulfilment of the requirements for the award of **Master of Science (M.Sc.) degree in Biotechnology of University of Mysore.**

GUIDE:

External Guide:

Ms.S.V.Lavanyavathi

Mymul Mysore

Handwritten signature of Dr. B.Y. Satish Kumar in blue ink.

Dr. B.Y. SATISH KUMAR
Assistant Professor and Head,
PG Dept. of Bio-Technology
University of Mysore,
Ooty Road, Mysore 570 025

Name & Signature of the Guide

Handwritten signature of Ms. S.V. Lavanyavathi in blue ink.

Internal Guide -

Handwritten signature of Prof. M.P. Vijayendra Kumar in blue ink.

PRINCIPAL
Prof. M.P. VIJAYENDRA KUMAR
Principal, JSSCACS
Ooty road, Mysore - 25.

Examiners:

2.

Handwritten signature of the first examiner in blue ink.

2.

Handwritten signature of the second examiner in blue ink.

Place: Mysore

Date: 29-07-2022

GENERAL INDUSTRIAL TRAINING IN
PRODUCTION DEPARTMENT

Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Mr.PUNITH S R

Reg. No. JBT20023

IV Semester

Under the guidance of

Mr.RAKESH D

General manager

Laurus Bio Pvt Ltd Tumkuru

Mr.PARTHIBAN G

Production manager

Laurus Bio Pvt Ltd Tumkuru



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled '**GENERAL INDUSTRIAL TRAINING IN PRODUCTION DEPARTMENT**' is a bonafied work carried out by Mr.PUNITH.S.R (Reg. no. JBT20023) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

External Guide -

Mr.RAKESH D

General manager

Laurus Bio Pvt Ltd Tumkuru

Mr.PARTHIBAN G

Production manager

Laurus Bio Pvt Ltd Tumkuru

Internal Guide -

Examiners:

1.

2.

Place: Mysore

Date: 29/7/2022

Dr. B.Y. Sathish Kumar

Assistant Professor and Head

PG Dept of Bio-Technology

JSS College of Arts, Commerce & Science

Bath Road, Mysore 570 018

Prof. M. P. Vijayendra Kumar

Principal, JSSCAES

Ooty road, Mysore - 25.

BAL PHARMA LIMITED

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfilment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. SAHANA S G

Register No: JBT20030

IVth Semester

Under the guidance of

Dr. B. Y. Sathish Kumar

**Head of Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science, Ooty Road, Mysore.**

Mr. Abhishek

Quality assurance Manager

Mr. Ravindranath

Quality control Manager

Bal pharma limited Bommasandra Bangalore-560105

July- 2022

JSS Mahavidyapeeta

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE -570025



CERTIFICATE

Certified that project report entitled **GENERAL INDUSTRIAL TRAINING IN QUALITY CONTROL AT 'BAL PHARMA LIMITED** is a bonified work carried out by **Ms. SAHANA S G** (Reg.no. JBT20030) in partial fulfillment of the requirements for the award of **Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2021 - 22**

Dr. B. Y. Sathish Kumar

Assistant Professor and Head
Postgraduate Department of
Biotechnology, Commerce & Science

Dr. M.P. Vijayendra Kumar
Assistant professor and Head
PG Dept. of bio-technology

Internal guide :-

Vasanth Patil H.B

Examiners:

1. **S. Hegde**
2. **S. Hegde**

Place: Mysore

Vasanth Patil H.B
30/7/22

QUALITATIVE ANALYSIS OF MILK AND MILK PRODUCTS.

Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysuru

Submitted by

Yashwanth prasad

Reg.No: JBT20047

IV Semester

Under the guidance of

Ms. Lavanyavathi S. V

Head of quality control

DEPT. MYMUL



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysuru)

MYSURU-570025

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysuru)

MYSURU -570025

Re-accredited by NAAC with A Grade, CGPA:3.21 Recognized by
UGC as college with Potential for Excellence




Postgraduate Department of Biotechnology

Certificate

This is to certify that Mr. YASHWANTH PRASAD (Reg.No:JBT20047) Has completed the project work on "QUALITATIVE ANALYSIS OF MILK AND MILK PRODUCT" at JSS College University of Mysuru, during IV Semester of his final M.sc. Biotechnology course, as a partial fulfilment of the requirement to award M.sc. Degree in Biotechnology by JSS college ooty road Mysuru.

GUIDE:

Ms. Lavanyavathi S V
Head of Quality control
Dept. MYMUL


Dr. B Y Sathish Kumar
Assistant Professor / Head of
Postgraduate Department
Biotechnology

Signature of the guide-

Internal Guide - 

Prof. M. P. Vijayendra Kumar Principle JSSCACS Ooty road Mysuru

Examiners:

1. 
2. 

PRINCIPAL
J.S.S. College of Arts, Commerce & Science
Mysuru

**Evaluation On The Quality Control of
IMMUNOSUPPRESSANT**

Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce
and Science in partial fulfillment of the requirements for the award of Master of Science
(M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

SAHANA.C.V.
Reg.No. JBT20028
IV Semester

Under the guidance of

EXTERNAL GUIDE

MR. RAJA SEKHAR REDDY R

Assistant manager of QC small molecule API, Biocon Limited, Bangalore

INTERNAL GUIDE



Postgraduate Department of Biotechnology
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

This is to certify that internship report entitled "Evaluation on the Quality Control of immunosuppressant" is a bonafide work carried out by **Sahana.C.V.** (Reg.no.JBT20028), in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDES:

External Guide

Raja Sekhar Reddy, R.

Assistant Manager,

Department QC small API,

Biocon Limited, Bangalore.

Internal Guide

Examiner

1.

2.

Place: Mysore

Date:

20/07/2022
30/7/22

Dr. B. V. Sathish Kumar

Assistant professor and head,

PG Dept. of Biotechnology

J.S.S. College of Arts, Commerce & Science

City Road, Mysore - 570025

Prof. M. P. Vijayendra Kumar,

J.S.S. College of Arts, Commerce & Science

Principal, JSSACS,

City Road, Mysore.

GENERAL INDUSTRIAL TRAINING

Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of

University of Mysore

Submitted by

Ms. DEEKSHA B.P

Reg. No. JBT20009

IV Semester

Under the guidance of

External Guide

Mr. Irfanulla Sharieff

Chief Scientific Officer

Triphase Pharmaceuticals Pvt Ltd, Mysore

Internal Guide



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025

JULY 2022

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that internship report entitled "GENERAL INDUSTRIAL TRAINING" is a bonified work carried out by Ms. DEEKSHA B.P REG. NO. JBT20009 in partial fulfilment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the guide

External guide- Mr. Irfanulla Shariq

Internal guide-

Handwritten signature and name of internal guide: R. Reena

Examiners:

1.

2.

Dr. B.Y. Sathish Kumar

Assistant Professor and Head,
PG Dept. of Biotechnology
College of Arts, Commerce & Science
Ooty Road, Mysore 570025

Prof. M.P. Vijayendra Kumar

Principal, JSSACS

Ooty road, Mysore - 25

Place: Mysore

Date:

"INDUSTRIAL TRAINING"

Internship report

Submitted to the Post graduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by:

Mr. ABDUL RIYAZ A.E.
JBT20001
II M.Sc. – IV SEMESTER
PG- BIOTECHNOLOGY
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE, MYSORE

Under the guidance of:

Mr. ESHWAR REDDY
DEPUTY MANAGER
BIOPLUS LIFE SCIENCES PRIVATE LIMITED, BANGALORE-560048



Postgraduate Department of Biotechnology
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE – 570025

JULY 2022

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that internship report entitled 'INDUSTRIAL TRAINING' is a bonafide work carried out by Mr. Abdul Riyaz A.E. (Reg. No. JBT20001) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE:

External guide:

Mr. ESHWAR REDDY

Signature of the guide

Internal Guide -

Examiners:

- 1.
- 2.

Place: Mysore

Date: 29/07/2022

Dr. B.Y. Sathish Kumar
Assistant Professor and Head,
PG Dept. of Bio-Technology
College of Arts, Commerce & Science
Mysore - 570025

Prof. M. P. Vijayendra Kumar
Principal, JSSCACS
Ooty road, Mysore - 570025

**THE EFFECT OF PLANT GROWTH REGULATORS ON
INVITRO REGENERATION OF SHOOTS IN MULBERRY
(*Morus indica* cv. AGB8) FROM SHOOT TIP EXPLANT**

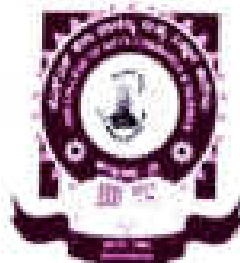
Dissertation of Project work

Submitted by
Ms. MAMATHA S
(JBT20015)
IV Semester

Under the Guidance of
Dr. TANMOY SARKAR
(Scientist-C)
Mulberry Breeding and Genetics Laboratory



Central Sericulture Research & Training Institute
(Central Silk Board, Ministry of Textiles, Govt. of India Srirampura Mysore-
570008)



Post graduate Department of Biotechnology
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(An Autonomous College of University of Mysore)
2022

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous under University of Mysore)
MYSORE-570025



Postgraduate Department of
Biotechnology

CERTIFICATE

Certified that project report entitled "THE EFFECT OF PLANT GROWTH REGULATORS ON *IN VITRO* REGENERATION OF SHOOTS IN MULBERRY (*Morus indica* cv. AGBM) FROM SHOOT TIP EXPLANT" is a bonafied work carried out by Ms. MAMATHA S (BTE20015) in partial fulfilment of the requirements for the of Master of degree in Biotechnology of University of Mysore.

GUIDE: Dr. Tanmoy Sarkar

Signature of Guide:

Guide

Examiners:

1. [Signature]
2. [Signature]

Place:

Date:

Dr. B Y Sathish Kumar
Assistant Professor and HOD (IC),
Postgraduate Department of Biotechnology.

Dr. M. P. Vijayendra Kumar
Principal, JSSCACS
Ooty road, Mysore-25

[Signature]
Head of the Department
PG Dept of Biotechnology
JSS College of Arts, Commerce & Science
Ooty Road, Mysore 570025

[Signature]
PRINCIPAL
JSS College of Arts, Commerce & Science
Ooty Road, MYSURU-25

QUALITY CONTROL AND QUALITY ASSURANCE

Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of

Mysore

Submitted by

Mr.LOHITH P

Reg. No. JBT20014

IV Semester

Under the guidance of External Guide

Ms.S.V.Lavanyavathi

Mymul KMF Mysore

Internal Guide

Mr. Dr. B.Y. Sathish Kumar
Assistant Professor and Head,
PG Dept. of Bio-Technology



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025

2022



Postgraduate Department of Biotechnology
CERTIFICATE

Certified that project report entitled
'Quality Control & Quality Assurance of Dairy Products 'is a bonified
work carried out by Mr LOHITH P (Reg.no- JBT20014) in partial
fulfilment of the requirements for the award of **Master of Science**
(M.Sc.) degree in **Biotechnology** of **University of Mysore**.

GUIDE:

External Guide:

Ms.S.V.Lavanyavathi

Mymul Mysore

Dr. B.Y. SATISH KUMAR
Assistant Professor and Head,
PG Dep of Biotechnology
College of A.S. Commerce & Science,
Buty Road, Mysore - 570 014

Name & Signature of the Guide

Prof. M. P. VIJAYENDRA KUMAR
Principal, JSSCACs
Ooty road, Mysore - 25

Internal Guide -

Examiners:

1.

2.

Place: Mysore

Date: 29-07-2022

QUALITY ANALYSIS OF MILK AND MILK PRODUCTS

Internship Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

DOOPASHREE C V

Reg. No. JBT20011

IV Semester

Under the guidance of

External Guide

LAVANYAVATHI

Deputy Manager Q C Department of Mysore, Mysore

Internal Guide

Dr. B Y SATHISH KUMAR

Assistant Professor and Head, PG Dept. of Biotechnology



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that internship report entitled "Qualitative Analysis of Milk and Milk Products" is a bonafied work carried out by Ms. Doopashree C V (Reg.no. JBT20011) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

External Guide -
Lavanyavathi
Deputy Manager
QC Dept.of Mymul

Internal Guide -

Dr. R. Y. Sathish Kumar
Dr. R. Y. Sathish Kumar

Examiners:

- 1.
- 2.

[Handwritten signatures]

R. Y. Sathish Kumar
Dr. R. Y. Sathish Kumar
Assistant Professor and Head,
PG Dept. of Biotechnology
JSS College of Arts, Commerce & Science
Bijoy Road, Mysore - 570025

[Handwritten signature]
Prof. M. P. Vijayendra Kumar
Principal, JSSCACS
Coty road, Mysore - 25.

Place: Mysore

Date:

**ROLE OF Cu, Zn & Se NANOPARTICLES IN THE BIO CONTROL OF
RHIZOCTONIA SOLANI & FUSARIUM OXYSPORUM**

Project Report

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts,
Commerce and Science in partial fulfillment of the requirements for the award of
Master of Science degree in Biotechnology of University of Mysore

Submitted by

Mr. DEEKSHITH C S

Reg. No. JBT20010

IV Semester

Under the guidance of

Dr. REKHA N D

Assistant Professor



Postgraduate Department of Biotechnology

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025

JULY 2022

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled 'ROLE OF Cu, Zn & Se NANOPARTICLES IN THE BIO CONTROL OF RHIZOCTONIA SOLANI & FUSARIUM OXYSPORUM' is a bonafied work carried out by Mr. DEEKSHITH C S (Reg.no. JBT20010) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

Guide:

Dr. Rekha N.D.
Assistant Professor
PG Dept. of Bio-Technology

Dr. B.Y. Sathish Kumar
Assistant Professor
PG Dept. of Biotechnology
JSS College of Arts, Commerce & Science
Bath Road, Mysore -570025

Examiners:

1.

2.

Prof. M.P. Vijayendra Kumar
Principal, JSSCACS
Coty road, Mysore -570025

Place: Mysore

Date:

QUALILATIVE ANALYSIS OF MILK AND MILK PRODUCTS

InternshipReport

Submitted to the Postgraduate Department of Biotechnology, JSS College of Arts, Commerce and Science in partial fulfillment of the requirements for the award of Master of Science (M.Sc.,) degree in Biotechnology of University of Mysore

Submitted by

Mr.PRASHANTH N K

Reg. No. JBT20022

IV Semester

Under the guidance of

External Guide

Ms.LAVANYAVATHI S V

Deputy manager (Qc department)

MYMUL

Internal Guide



Postgraduate Department of Biotechnology
JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'QUALILATIVE ANALYSIS OF MILK AND MILK PRODUCTS' is a bonafide work carried out by Mr. PRASHANTH N K (Reg. no. JBT20022) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the Guide

External Guide -

Ms. LAVANYAVATHI S V

Deputy manager (Qc department)

MYMUL

Internal Guide -

Dr. B.V. Sathish Kumar

Assistant Professor and Head,

PG Dept of Bio-Technology

JSS College of Arts, Commerce & Science

Dejy Road, Mysore 570 018

Prof. M. P. Vijayendra Kumar

Principal, JSSCACS

New Institute, City Road, Mysore 570 018

Examiners:

1.

2.

Date: 29/07/2022

Place: Mysore

Title of the Project

**GREEN SYNTHESIS OF SILVER NANOPARTICLE BY MULTIVOLTINE
COCOON AND MULBERRY BARK EXTRACTS: ITS ANTI FUNGAL ACTIVITY**

Dissertation/Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. SNEHA.P
Reg.No. JBT19037

IV Semester

Under the guidance of

Dr. RAVINDRA

Scientist-C

CSRTI Mysore

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

DOTY ROAD, MYSORE - 570025

2021



CERTIFICATE

Certified that project report entitled "Green synthesis of silver nanoparticles using multivoltine cocoon and mulberry bark extract: Its antifungal activity" is a bonafied work carried out by Ms. SNEHA P JBT19037 in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2021 - 22.

GUIDE:

Dr. Ravindra
Rajub

Name & Signature of the Guide

B.Y. Sathish Kumar

Dr. B.Y. Sathish Kumar

Assistant Professor and Head

Postgraduate Department of Bio-Technology

PG Dept of Biotechnology

J A S College of Arts, Commerce & Science
Balya Road, Mysore - 570018

Examiners:

1.

[Signature]

2.

[Signature]

Place: Mysore

Prof. H. C. Honnappa

Principal, JSSCACS

Ooty road, Mysore - 25.

Title of the Project

**GREEN SYNTHESIS OF SILVER NANOPARTICLE BY BIVOLTINE COCOON
AND MULBERRY STEM EXTRACTS: ITS ANTI FUNGAL ACTIVITY**

Dissertation/Project Report

Submitted to the

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

in partial fulfillment of the requirements for the award of

Master of Science (M.Sc.) degree in Biotechnology of University of Mysore

Submitted by

Ms. AKSHATHA M S

Reg. No. JBT19002

IV Semester

Under the guidance of

Dr. RAVINDRA

Scientist -C

CSRTI Mysore

JSS Mahavidyapeetha

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)

OOTY ROAD, MYSORE -570025

2021



CERTIFICATE

Certified that project report entitled **“Green synthesis of silver nanoparticles using Bivoltine cocoon and mulberry Stem extract: Its antifungal activity”** is a bonified work carried out by Ms. AKSHATHA M S JBT19002 in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2021 – 22.

GUIDE: Dr. Ravindra

Name & Signature of the Guide

Dr. B.Y. Sathish Kumar

Assistant Professor and Head

Postgraduate Department of Bio-Technology

Head of the Department

PG Dept of Biotechnology

JSS College of Arts, Commerce & Science

Wate Road, Mysore - 570018

Examiners:

1. 07/09/2021
- 2.

Place: Mysore

Date: 7/9/21

Prof. H. C. Honnappa

Principal, JSSCACS

Ooty road, Mysore - 25.

PRINCIPAL

JSS College of Arts, Commerce & Science
Ooty Road - MYSURU-25

MYSORE - 570025

August/September - 2023

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'ANALYSIS OF ACTIVE PHARMACEUTICAL DRUG SOLIFENACIN SUCCINATE BY HPLC AND GC METHODS' is a bonafied work carried out by Mr.Sangam HY (Reg.no. P01BE21SO270) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the Guide

External Guide -

Dr. Raghavender Rao Desai,
Director - Analytical Research
Development)

Internal Guide -

Dr. B. Y. Sathish Kumar

HOD, PG Dept of Bio-Technology

Examiners:

1. *[Handwritten Signature]* / 23/09/23

2.

Dr. B. Y. Sathish Kumar
HOD, PG Dept. of Bio-Technology
Head of the Department

Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE - 570 025

Dr. S. Pratibha
Principal JSSCACS
Ooty road, Mysuru - 25



NJD/HR/PTC/2023-24/ 50

August 08, 2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. Sangam H Y, S/o Yathish Kumar H R [Reg No: P01BE21S0270] pursuing M.Sc. Biotechnology in JSS College of Arts, Commerce and Science (Autonomous), Mysore has successfully completed his Internship in our Organization from 08th May 2023 to 08th August 2023.

He has completed the Internship under the guidance of Mr. Raghavender Rao Desai, Director –Analytical Research Development.

During his study, Mr. Sangam H Y has shown keen interest and completed the Internship successfully.

We wish him success in future endeavors.

For JUBILANT PHARMOVA LIMITED


SUBRAHMANYA A
DIRECTOR- HUMAN RESOURCES

Jubilant Bharati Company



Jubilant Pharmova Limited
Pharmova, 2nd Floor, 1st
Milestone, Industrial Area, Bangalore
Mysore, 575 002, Karnataka, India
Tel: +91 824 2286000
www.jubilantpharmova.com

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

[An Autonomous College of University of Mysore]

MYSORE -570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that internship report entitled 'Development of inoculum, scaling up process and downstream process involved in the production of serratiopeptidase in an industrial set up' is a bonafied work carried out by Ms.Harini Irappa Gadadavar(Reg.no.P01BE21S0189) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

External Guide –
Mr.Sudharsanan N

Sr.Manager-Biologics

Anthem Biosciences Pvt Ltd

Dr. B.Y. Sathish Kumar
HOD, PG Dept. of Bio-Technology

Head of the Department

Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)

Ooty Road, MYSORE-571 025

Internal Guide –

Examiners:

- 1.
- 2.

Principal

Place: Mysore

Date:



100, 1st MIDC, MIDC Trunk Road,
Ghatge, 421 004, Nashik, India

Anthem Biosciences Pvt. Ltd

100, 1st MIDC, MIDC Trunk Road,
Ghatge, 421 004, Nashik, India

2023-08-12
10:00 AM
10:00 AM
10:00 AM

To Whomsoever It May Concern

Certificate of Internship Training

This is to certify that **Ms. Harini Irappa Gadadavar** has successfully completed her internship training from 12th June ,2023 to 12th August ,2023 in biological department under the guidance of **Mr.SUDHARSANAN N.**

We found her sincere and hard working during her tenure. We wish her all the best in her future endeavors.

Best Regards

From ANTHEM BIOSCIENCE PVT.LTD

S Sunil kumar
Sr. Manager -HR

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that internship report entitled "Establishment of a cultural base and enhancement of the serratiopeptidase production process in an industrial setting" is a bonafied work carried out by Ms. Harsha Mahantesh Patil (Reg No. P01BE21S0212) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

External Guide -
Mr. Sudarsanan N

Sr. Manager-Biologics

Anthem Biosciences Pvt Ltd

Internal Guide - *Dr. B. Y. Satish Kumar*

Dr. B. Y. Sathish Kumar
HOD, PG Dept. of Bio-Technology

Head of the Department
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE-570 025

Examiners:

1. *[Signature]* 20/09/2023

2.

Principal

Place: Mysore

Date:



HR | ANTHEM BIO (Private) Ltd
11/11, 12 September 2023

Anthem Biosciences Pvt. Ltd.

40/21 A, 1st Floor, East Street,
BSP Road, Mysore City, Phase - 1
BSP Road, Mysore - 570 014,
Karnataka, India

229 / 104/21 Kalyan Nagar,
Tel : +91 824612 4000
Fax : +91 824612 4001
www.anthembiotech.com

To Whomsoever It May Concern

Certificate of Internship Training

This is to certify that **Ms. Harsha Mahantesh Patil** has successfully completed her internship training from 12th June 2023 to 12th August 2023 in biological department under the guidance of Mr. **SUDHARSANAN N.**

We found her sincere and hard working during her tenure. We wish her all the best in her future endeavors.

Best Regards

From **ANTHEM BIOSCIENCE PVT.LTD**

S Sunil Kumar
Sr. Manager -HR

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled "FUNCTIONAL STUDIES OF SPICE-ENRICHED NUTRITIONAL SUPPLEMENTS" is a bonafied work carried out by Ms. Tejashree M U (Reg.no. JBT21041) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the Guide

External Guide -

Dr. M.V.S.S.T SubbaRao

Professor of Cellular & Molecular Biology, CEMR Laboratory, Department of Biochemistry, JSS Medical College, Mysuru.

Dr. Ravindra P Veeranna

Director of MS1.V4 Endurance Pvt.Ltd
JSSAHER Sparkle Cine, Mysuru.

Internal Guide -

Dr. Bhasya G, MSc/PhD,

Asst. Professor, JSS College, of Arts Commerce and Science Ooty Road, Mysuru.

Examiners:

1. 21/5/23

2.

Place: Mysore

Date

Dr. B.Y. Sathish Kumar

HOD, PG Dept. of Biotechnology

Head of the Department

Postgraduate Department of Biotechnology,
JSS College of Arts, Commerce and Science
(Autonomous)

Ooty Road, MYSORE-570 025

Dr. S. Prathibha , MSc, PhD

Principal, JSS College of Arts

Commerce and Science, Ooty Road,

Mysore

MSLV4ENDURANCE Pvt. Ltd



Nutridhat
Dietetics Personalized



Official Website

www.MSLV4ENDURANCE.IN

Certified that project report entitled "FUNCTIONAL STUDIES OF SPICE-ENRICHED NUTRITIONAL SUPPLEMENTS" is a bonafied work carried out by Ms. Tejashree M.U (Reg.no. JBT21041) in joint collaboration between MSLV4 Endurance Pvt. Ltd. and Department of Biochemistry, JSS Medical College, JSSAHER for partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

Signature of the Director

For MSLV4 Endurance Pvt. Ltd.

Director

Mrs. Shwetha Gonchigar Chandrappa
Director of MSLV4 Endurance Pvt Ltd.
JSS Sparkle Cine
JSSAHER, Mysuru-570015

Address

JSS Academy of Higher Education &
Research JSS Medical Institutions
Campus, Bannimantap A Layout,
Bannimantap, Mysuru, Karnataka 570015

+91 93418 72937

mslv4endurance@gmail.com

CERTIFICATE

Certified that project/internship report entitled "Influence of Solvent Evaporation on the Physicochemical Properties of Topical Gels" is a bonafied work carried out by Ms. SANJEEVINI (Reg.no. P01BE21S0394) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):


Signature of the Guide

External Guide -

Dr. H N Shivakumar

Founder Director

(Guide Certificate may also be attached as a separate certificate on company's letter head with seal)


Dr. B. Y. Sathish Kumar
HOD, PG Dept. of Biotechnology

Head of the Department

Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)

Doty Road, MYSORE-570 025

Internal Guide -

Examiners:

1.

2.

Place: Mysore

Date:

Pruthibha.S

Principal



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that internship report entitled 'Characterization Of Active Pharmaceutical Drug - Irbesartan By HPLC & Gas Chromatography' is a bona fide work carried out by Ms. Tanushree G R (Reg.no. P01BE21S0258) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

Signature of the Guide

Dr. Bhavya Guru Lingaiah

Assistant professor

PG Department of Bio-Technology

Dr. B.Y. Sathish Kumar

HOD, PG Dept. of Bio-Technology

Head of the Department

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

(Autonomous)

Ooty Road, MYSORE-570 025

Examiners:

1.

2.

Place: Mysore

Date: 21-9-23

Principal

SJD/HR/PTC/2023-24/ 37

July 31, 2023

TO WHOM SO EVER IT MAY CONCERN


This is to certify that **Ms. Tanushree G R**, D/o **G Ramesh** [Reg No: **JBT21040**] pursuing **M.Sc. Biotechnology** in **JSS College of Arts, Commerce and Science (Autonomous)**, Mysore has successfully completed her Internship in our Organization from **29th May 2023 to 28th July 2023**.

She has undergone training under the guidance of **Mr. Raghavender Rao Desai**, Director –Analytical Research Development.

During her study, **Ms. Tanushree G R** has shown keen interest and completed the Internship successfully.

We wish her success in future endeavors.

For **JUBILANT PHARMOVA LIMITED**


SUBRAHMANYA A 31/07/23
DIRECTOR- HUMAN RESOURCES

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'Analysis of active pharmaceutical drug-Ticagrelor by HPLC and Gas chromatography' is a bonafied work carried out by Ms. Sonika M Raj (Reg.no. P01BE21S0366) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the Guide

External Guide -

Dr Ragavendra Rao Desai


Internal Guide -

Dr. Mallikarjun B Chougala

Examiners:

1.

2.


Dr. B.Y. Sathish Kumar
HOD, PG Dept. of Bio-Technology
Head of the Department
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Doty Road, MYSORE-570 025

Principal

Place: Mysore

Date:



JD/HR/PTC/2023-24/ 85

September 15, 2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. Sonika M Raj**, D/o Mohanaraja [Reg No: P01BE21S0366] pursuing **M.Sc. Biotechnology** in **JSS College of Arts, Commerce and Science (Autonomous), Mysore** has successfully completed her Internship in our Organization from **19th June 2023 to 18th August 2023**.

She has completed the Internship under the guidance of **Mr. Raghavender Rao Desai**, Director - Analytical Research Development.

During her study, **Ms. Sonika M Raj** has shown keen interest and completed the Internship successfully.

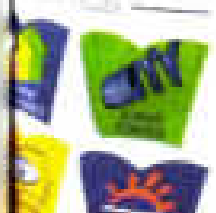
We wish her success in future endeavors.

For **JUBILANT PHARMOVA LIMITED**


SUBRAHMANYA A 15/9/23

DIRECTOR - HUMAN RESOURCES





JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(As Autonomous College of University of Mysore)

MYSORE-570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project internship report entitled 'Internship report on **Mammalian Erythrocyte Micronucleus test**' is a bonafide work carried out by Ms. VANDANA B G (Reg. no. JBT21046) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S)

Dr. Samith Kadam

HOD, Department of Genotoxicology

External Guide-

Vipragen Bioscience Pvt Ltd


20/9/23

Mr. Vasanth Patil

Assistant Professor,

PG Dept of Biotechnology

Internal Guide-

Examiners:

1. Dr. Vasanth / 21/9/23
2. Vasanth
31/9/23

Place Mysore

Date

Head of the Department
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE-570 025

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology CERTIFICATE

Certified that internship report entitled industrial internship on 'ANALYSIS OF ACTIVE PHARMACEUTICAL INGREDIENTS' is a bonafide work carried out by **Ms. RAKSHITHA J (Reg.no. POIBE21SO271)** in partial fulfilment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE

20/3/23

Mr. Vasanth Patil.H. B.
Assistant Professor

Post graduate Department of Bio-technology
JSS College of Arts, Commerce and Science
Ooty Road, Mysuru-25

Dr.B.Y. Sathish Kumar

Assistant Professor and HOD,
Head of the Department
PG Dept Of Bio-Technology
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE-570 025

Examiners:

1.

2.

Place: Mysore
Date:

Principal

Bal Pharma Limited

Date: 22.07.2023

INTERNSHIP TRAINING CERTIFICATE

This is to certify that Ms RAKSHITHA D/o JAGADISH student of Msc Biotechnology, JSS College of Arts, Commerce & Science College Mysore. She has been successfully completed intern-ship Training in our organization at Quality control Dept from 12.06.2023 to 22.07.2023 in BAL PHARMA LIMITED (Unit-1), Bangalore-560099.

We wish her all the best for her future endeavours.

For BAL PHARMA LIMITED


Authorized Signatory

CORPORATE OFFICE : 9th Floor, Lakshmi Narayan Complex, 10/1, Palace Road, Bangalore - 560 052, India
Ph. : 01 - 80 - 41570500 Fax : 01 - 80 - 22354057 / 58
Email : info@balpharma.com Website : www.balpharma.com
CIN # L32119KA1987PLC008368

REGD. OFFICE & FACTORY : 21 & 22, Somasandra Industrial Area, Bangalore - 560 009, Ph. : 080-41570811 / 13 / 15 Fax : 41570820

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project report entitled **SYNTHESIS OF METAL NANOPARTICLES AND THEIR BIOLOGICAL ACTIVITIES** is a bona fide work carried out by **Ms. Hema B S (Reg.no.P01BE21S0566)** in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

Rekha N.D.

Signature of the Guide
Dr. Rekha. N.D, M.Sc., Ph.D.
Assistant professor
PG Department of Biotechnology

B.Y. Sathish Kumar

Dr. B.Y. Sathish Kumar
HOD, PG Dept. of Biotechnology
Head of the Department
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE-570 025

Examiners:

1. *Srinivas/21/9/23*

2. *Vasanth*
21/9/23

Place: Mysore

Date:

Principal

[Signature]

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025




Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'GENERAL INDUSTRIAL TRAINING IN PRODUCTION DEPARTMENT' is a bonafide work carried out by SANJAY RB in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

Internal Guide:

Dr. B.Y. Sathish Kumar
Head of the Department
PG Dept. of Bio-Technology


Dr. B.Y. Sathish Kumar
Head of the Department
~~Head of the Department~~
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE-570 025

Examiners:

1.  21/9/23

2.  21/9/23

Place: Mysore

Date: 21/09/2023

Dr.S. Prathibha
Principal, JSSCACS
Ooty road, Mysuru - 57



Date: 15-09-2023

TO WHOMSOEVER IT MAY CONCERN,

This is to certify that **Mr. Sanjay R B M** B.Sc. Biotechnology, has done his internship at Laurus Bio Pvt Ltd. **From 14th June 2023 to 8th September 2023**

He has undergone training on **"GENERAL INDUSTRIAL TRAINING ON BIOREACTORS FOR PRODUCTION OF FOOD GRADE PRODUCTS"**

During the internship training he demonstrated good design skill with a self-motivated attitude to learn new things. His performance exceeded expectations and was able to complete the assigned tasks on time.

We wish him all the best for his future endeavors.

For Laurus Bio Pvt Ltd

(Handwritten signature)



Takesh D

General Manager- Production

Laurus Bio Private Limited (Formerly known as Richcore Lifesciences Pvt. Ltd.)
Plot No. 204 & 237, Rammasandra Jagalur Link Road, E.L.A.D.B. Industrial Area, Bangalore Rural District, Karnataka - 562105, India.
T : +91 - 8110 - 419777 F : +91 - 080 - 2783 9574 W : www.laurus.bio E : info@laurus.bio CIN : U00433KA2005PTC0096770

AURUS Labs LAURUS Ingredients LAURUS Generics LAURUS Synthesis

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'Microbiological techniques' is a bonafied work carried out by Ms. Veena M Kurahatti Desai (Reg.no. P01BE21S0302) in partial fulfilment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE (S):

Signature of the Guide

External Guide -

Shridhar Angadi

(Guide Certificate may also be attached as a separate certificate on company's letter head with seal)

Internal Guide - *[Handwritten Signature]*

Examiners:

1. *[Handwritten Signature]* / 2 / 9 / 22

2.

[Handwritten Signature]

Dr. B.Y. Sathish Kumar

HOD, PG Dept. of Bio-Technology

Head of the Department

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

(Autonomous)

Ooty Road, MYSORE-571 025

Principal

[Handwritten Signature]

Place: Mysore

Date:

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'GENERAL INDUSTRIAL TRAINING PRODUCTION DEPARTMENT' is a bonafied work carried out by Ms. Kavya.R (Reg.no.PB01BE21S0411) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE


20/9/23

Mr. Vasanth Patil H.B.
Assistant Professor

Postgraduate Department of Bio-Technology
JSS College, Doty Road, Mysuru-25



Dr. B.Y. Sathish Kumar
Assistant Professor and HOD, PG Dept.

Head of the Department
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Doty Road, MYSORE-570 025

Examiners:

1.


20/09/2023

2.



Principal



Place: Mysore

Date:

Date: 05-09-2023

TO WHOMSOEVER IT MAY CONCERN:

This is to certify that **Ms. Kavya R M.Sc. Biotechnology** has done her internship in Laurus Bio Pvt Ltd. From **14th June 2023 to 9th September 2023**

She has undergone training on "**GENERAL INDUSTRIAL TRAINING ON BIOREACTORS FOR PRODUCTION OF FOOD GRADE PRODUCTS**".

During the internship training, she demonstrated good design skills with a self-motivated attitude to learn new things. Her performance exceeded expectations and was able to complete the assigned tasks on time.

We wish her all the best in her future endeavours.

For Laurus Bio Pvt Ltd



Rakesh D

General Manager- Production





Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled '**Synthesis of metal nanoparticles and their biological activities**' is a bona fied work carried out by **Ms. Bashini C (Reg.no.P01BE21S0569)** in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.


Signature of the Guide

Dr. Rekha. N.D

M.Sc., Ph.D.

Assistant professor

PG Department of Biotechnology

Dr. B.Y. Sathish Kumar

HOD, PG Dept. of Bio-Technology

Head of the Department

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

(Autonomous)

Ooty Road, MYSORE-570 025

Examiners:

1.  21/9/23

2.  21/9/23

Place: Mysore

Date:

Principal

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'Analysis Of Solifenacin Succinate Drug By HPLC & Gas Chromatography' is a bona fide work carried out by Mr. Bharath A N (Reg.no. P01BE21S0255) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

Signature of the Guide

Dr. Mallikarjun B Chougala

Assistant Professor

PG Department Of Bio-Technology

Signature of the Head of the Department
Dr. B.Y. Sathish Kumar
HOD, PG Dept. of Bio-Technology

Head of the Department

Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)

Ooty Road, MYSORE-570 025

Examiners:

1. Signature of Examiner 1, dated 4/10/2023
2. Signature of Examiner 2

Place: Mysore

Date:

Signature of the Principal

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled **GENERAL INDUSTRIAL TRAINING IN PRECLINICAL AND MICROBIOLOGY AT RADIANT RESEARCH SERVICES PVT LTD**, is a bonified work carried out by Ms. Kavya Timmappa Hegde (Reg.no. P01BE21S0233) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the Guide

External Guide -

DR. GOPI MUREEDU

Internal Guide - *M Hegde*

Examiners:

1. *[Signature]* 20/09/2023
2. *[Signature]*

[Signature]

Dr. B.Y. Sathish Kumar

HOD

Head of the Department

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science
(Autonomous)

City Road, MYSORE-570 025

Principal

[Signature]

4th Sept 2023

CERTIFICATE

This is to certify that, **Ms. Kavya Hegde (JBT21016)**, a bonafied student of **JSS college of arts commerce and science Ooty road Mysore**, in partial fulfillment of **M.Sc. Biotechnology** has successfully undergone the training programme on **Preclinical and Microbiology** internship conducted at our R&D centre, Bangalore during the time period from **23rd May 2023 to 04th September 2023**.

We wish her **Good luck** in her future endeavors.

**Ashok
godavarthi**

CEO

Digitally signed by Ashok
godavarthi
Date: 2023.09.14 18:01:56
+05'30'



RADIANT RESEARCH SERVICES PVT.LTD.

RADIANT RESEARCH SERVICES PVT LTD

No : 99A, 8th Main, 3rd Phase, Peenya Industrial Area, Bangalore-560 058. Ph : 080-5051 6699
E-mail : info@radiantresearch.in, www.radiantresearch.in

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



Postgraduate Department of Biotechnology


CERTIFICATE

Certified that project/internship report entitled 'Preclinical screening of selected compounds on experimental mice C57BL/6 mice for antiobesity' is a bonafied work carried out by Ms. Neeta Sudarshan Hegde Reg.no. P01BE21S0227 in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the Guide

External Guide -
Mr. Dinesh K.G

Internal Guide - 

Examiners:

1. 
2. 

Place: Mysore

Date:



Dr. B.Y. Sathish Kumar
HOD, PG Dept. of Bio-Technology
Head of the Department
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE-570 025

Principal



4th Sept 2023**CERTIFICATE**

This is to certify that, **Ms. Neetha Hegde (JBT21019)**, a bonafied student of **JSS college of arts commerce and science Ooty road Mysore**, in partial fulfillment of **M.Sc. Biotechnology** has successfully undergone the training programme on **Preclinical and Microbiology** internship conducted at our **R&D centre, Bangalore** during the time period from **23rd May 2023** to **04th September 2023**.

We wish her **Good luck** in her future endeavors.

**Ashok
godavarthi**
CEO

Digitally signed by Ashok
godavarthi
Date: 2023.09.14 18:04:35
+05'30'



RADIANT RESEARCH SERVICES PVT.LTD.

RADIANT RESEARCH SERVICES PVT LTD

No : 99A, 8th Main, 3rd Phase, Peenya Industrial Area, Bangalore-560 058. Ph : 080-5051 6699
E-mail : info@radiantresearch.in, www.radiantresearch.in

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



POSTGRADUATE DEPARTMENT OF BIOTECHNOLOGY CERTIFICATE

Certified that project/internship report entitled 'INVITRO CELL CULTURE EQUIPMENT HANDLING' is a bonafied work carried out by Ms. Kavitha R (Reg no. P01BE21S0279) in partial fulfilment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE:

Signature of the Guide

Internal Guide - *[Signature]*

Examiners:

1. *[Signature]* / 20/07/23

2.

Place: Mysore

[Signature]

Dr. B.Y. Sathish Kumar
HOD, PG Dept. of Bio-Technology

Head of the Department
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Doty Road, MYSORE-570 025

Dr. S. Prathibha
Principal

[Signature]

Date: 29/08/2023

INTERNSHIP CERTIFICATE

This is to certify that, Ms. Kavitha.R, Student Registration No. JST21015 studying M.Sc. Biotechnology with JSS College of Arts, Commerce and Science, University of Mysore, Karnataka, has successfully completed her Industrial Training 3 months starting from (1st June 2023 - 29th August 2023) in our Organisation Stelis Biopharma Limited

We wish her all the best in her future endeavours.

Thank You,

For Stelis Biopharma Ltd



Kiran Kumar S
Director - Human Resources

Stelis Biopharma Limited
(Formerly Stelis Biopharma Private Limited)
REGD OFF: Star 1, Opp EM Bangalore, Biskahak, Bannerghatta Road, Bangalore - 560 076, India
Tel: +91 80 8784 0000
E: info@stelis.com | W: www.stelis.com
CIN:U74100KA2007PLC010095

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that internship report entitled "**PRODUCTION OF MULTIVITAMIN TABLETS**" is a bonafied work carried out by Ms. Thanuja. G. C (Reg.no. P01BE21S0380) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Dr. Mallikarjun Chougala
Assistant Professor
PG Dept. of Bio-Technology

Dr. B.Y. Sathish Kumar
Assistant Professor and HOD,
PG Dept. of Biotechnology
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE-571 025

Examiners:

1.

2.

21/09/2023

Place: Mysore

Date:

Principal



Date: August 31, 2023

CERTIFICATE OF INDUSTRIAL TRAINING

This is to certify that **MS. THAMUJA G C**, bearing registration number **00171001**, M.Sc. (Biotechnology) student of **JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE**, Chay Road, Mysore, has successfully completed **Three Months Industrial Training** in our Formulation plant, at **BIOPLUS LIFE SCIENCES PRIVATE LIMITED**, Pharmed Gardens, Whitefield Road, Bangalore - 560 048, from **May 22nd, 2023 to August 31st, 2023**.

She has also worked briefly in **Production Unit, Quality Assurance Department, Quality Control Department and Analytical Laboratory**. During the training we have found her conduct **good and hard working**.

We wish her all the best in her future ventures.

for **BIOPLUS LIFE SCIENCES PRIVATE LIMITED**,


AUTHORIZED SIGNATORY

Bioplus Life Sciences Private Limited

Regd. Off: Bioplus Life Sciences Private Limited, S. No. 10-1A, Hosa Village, Krishnarajapuram Hobli, Bangalore - 560 048
Phone: +91 80 - 4126 1500 Fax: +91 80 - 4127 6925, 2641 0177, 2641 0232
E-mail: bangalore@bioplus.in www.bioplus.in CN: U04202RA2004PTC003579

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



POSTGRADUATE DEPARTMENT OF BIOTECHNOLOGY

CERTIFICATE

Certified that project/internship report entitled **INDUSTRIAL PRODUCTION OF RECOMBINANT ENZYME (Taq DNA Polymerase) USED IN GENETIC ENGINEERING** is a bonafied work carried out by **Ms. Bhavana MV (Reg.no. P01BE21S0368)** in partial fulfilment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE

Signature of the Guide

Dr. B.Y. Sathish Kumar

HOD,

Head of the Department
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE-570 025

Internal Guide -

Examiners:

1.

2.

Place: Mysore

Date:

Dr. S. Prathibha

Principal

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'Basic Analytical Instrumentation Techniques in Pharmaceutical Industry' is a bonafied work carried out by **Ms. Varnashree N** (Reg.no.P01BE21S0274) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

External Guide -

1. Dr. Nitesh Kanyawar

HOD, ABL dept, Cipla Pvt Ltd, Bangalore

2. Mr. Surendra Kumar T

HOD, QC dept, Cipla Pvt Ltd, Bangalore

Dr. Abignan Gurukar

Internal Guide - Dr. Abignan Gurukar

Asst. Prof., JSS College, Doty Road, Mysore

Dr. B.Y. Sathish Kumar

Dr. B.Y. Sathish Kumar
Head of the Department
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Doty Road, MYSORE-570 025

Examiners:

1. *[Signature]* / 29/4/23

2.

Place: Mysore

Date:

Principal

[Signature]

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025




Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'Analysis of drug Eslicarbazepine acetate by HPLC and GC method' is a bonafied work carried out **Mr. Suman L. (Reg.no. P01BE21S0235)** in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

Signature of the Guide
Dr. B.Y. Sathish Kumar
HoD
PG Department of Biotechnology


Dr. B.Y. Sathish Kumar
HOD, PG Dept. of Bio Technology
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
City Road, MYSORE-570 025

Examiners:

1. 
- 2.

Place: Mysore

Date:

Principal





**JUBILANT
PHARMOVA**

NJD/HR/PTC/2023-24/41

July 31, 2023

TO WHOM SO EVER IT MAY CONCERN


This is to certify that **Mr. Suman L, S/o Lingaraju L** [Reg No: JBT21038] pursuing **M.Sc. Biotechnology** in **JSS College of Arts, Commerce and Science (Autonomous), Mysore** has successfully completed his Internship in our Organization from **29th May 2023 to 28th July 2023.**

He has completed the Internship under the guidance of **Mr. Raghavender Rao Desai, Director -Analytical Research Development.**

During his study, **Mr. Suman L** has shown keen interest and completed the Internship successfully.

We wish him success in future endeavors.

For **JUBILANT PHARMOVA LIMITED**


31/07/23
SUBRAHMANYA A
DIRECTOR- HUMAN RESOURCES

Jubilant Bharati Company

Group of Companies



Jubilant Pharmova Limited
10th Floor, 10, 15, 17 & 18
KARLE Industrial Area, Mahape
Mysore-571302, Karnataka, India
Tel: +91 8221 228857-9
www.jubilantpharmova.com

Corporate Office
10, 15, 17 & 18
Karle Industrial Area, Mahape
Mysore-571302, Karnataka, India
Tel: +91 8221 228857-9

Head Office
10th Floor, 10, 15, 17 & 18
Karle Industrial Area, Mahape
Mysore-571302, Karnataka, India
Tel: +91 8221 228857-9

CERTIFICATE


'Quality Assessment of *Glycyrrhiza glabra* with Respect to Chemical Parameter in >25% Glycyrrhizin Extract' is a bonified work carried out by Ms. LIKHITHA G.P (Reg no. JBT21017) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S): Signature of the Guide

External Guide -Mr. ANILKUMAR H.V
(SENIOR EXECUTIVE IN QUALITY CONTROL
DEPARTMENT)
NATURAL REMEDIES PRIVATE LIMITED

5B, VeerSandra industrial area, Hosur road,
electronic city, Bangalore 560100.

Internal Guide - Dr. BHAVYA G
Ass.proff. of jssacs Mysore.


Dr. B.Y. Sathish Kumar
HOD, PG Dept. of Bio-Technology

Head of the Department
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE-570 025

DR. S Prathibha
Jssacs Ooty Mysore.
Principal



Examiners:

1. 
21/01/2023
2. 
21/19/23

31/08/2023

Certificate

Mrs. Likhitha.GP, from JSS college of arts commerce and sciences, Mysuru, has completed a 60-day project trainee program at the Research & Development Center, Quality Control, Department of M/s. Natural Remedies, Bengaluru during the academic year of 2023 under the supervision of **Dr. Rojison Koshy**.



Dr. Rojison Koshy,
Head- Quality control,
Natural Remedies Pvt. Ltd.,
Plot No. 5B,
19th K.M. Stone, Veerasandra Indl. Area,
Horur Road, Electronic City (Post),
Bangalore - 560 100
Ph: (080) 40209999

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(An Autonomous College of University of Mysore) MYSORE - 570025





Postgraduate Department of Biotechnology

CERTIFICATE



Certified that internship report entitled "INTERNSHIP AT QUALITY ASSURANCE DEPARTMENT IN NESTLE INDIA LTD." is a bonafied work carried out by Ms. Pruthvi M J (Reg.no.P01BE21S0541) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):


Dr. Mallikarjun Chougala
Assistant Professor
PG Dept. of Bio-Technology


Dr. B.Y. Sathish Kumar
Assistant Professor and HOD,
Head of the Department
PG Dept. of Bio-Technology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE-570 025

Examiners:

1. 
2. 

Principal



Place: Mysore

Date:

Nestlé India Limited

ICADIB Industrial Area, Post Box No 24
Nanjangud - 571 302, Mysore District, Karnataka
Phone: (08221) 244600-244629
Email: Corporate@in.nestle.com
Website: www.nestle.in



Date: 31st August 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Pruthvi M J, student of JSS College of Art, Commerce and Science, Mysore, has successfully completed her Project Work in our organisation as a part of her curriculum, from 24th May 2023 to 31st August 2023.

During the Project Work, we found her conduct good & she was sincere in her efforts to study and was much interested in the assigned work.

We wish her all the very best in her future endeavours.

NESTLE INDIA LIMITED
NANJANGUD FACTORY

Srinivas Murthy
27

SRINIVAS MURTHY
MANAGER -CA



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'A Preliminary study on extracellular proteins and biosurfactants in yeast isolates under heavy metals stress' is a bonafied work carried out by Ms. Thanuja M Reg.no.P01BE21S0505 in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the Guide


19/09/23. T.

Internal Guide - Dr. SHANVA A. S



Dr. B.Y. Sathish Kumar
HOD, PG Dept. of Bio-Technology

Head of the Department

Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)

Ooty Road, MYSORE-570 025

Examiners:

1. 
21/09/2023
2. 

Place: Mysore

Date:

Principal



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology


CERTIFICATE

Certified that project/internship report entitled 'General Industrial training in proteins' is a bonafide work carried out by **Mr. JANATH R** (Reg.no. **P01BE21S0247**) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the Guide

External Guide -
Mr. Parthiban G


Dr. B.Y. Sathish Kumar
HOD, PG Dept. of Bio-
Technology

Internal Guide - 

Examiners:

1. 
2. 

Place: Mysore

Date:

Principal



TO WHOMSOEVER IT MAY CONCERN:

This is to certify that **Mr. Janath R M Sc**, Biotechnology, has done his internship in Laurus Bio Pvt Ltd From 14th June 2023 to 9th September 2023.

He has undergone training on "**GENERAL INDUSTRIAL TRAINING ON BIOREACTORS FOR PRODUCTION OF FOOD GRADE PRODUCTS**".

During the internship training he demonstrated good design skill with a self-motivated attitude to learn new things. His performance exceeded expectations and was able to complete the assigned tasks on time.

We wish him all the best for his future endeavours.

For Laurus Bio Pvt Ltd



Rakesh D

General Manager- Production



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'GENERAL INDUSTRIAL TRAINING PRODUCTION DEPARTMENT' is a bonafied work carried out by Mr. Darshankumar. D (Reg.no.PB01BE21S0261) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE


20/3/23

Mr. Vasanth Patil H.B

Assistant Professor

Postgraduate Department of Bio-Technology
JSS College, Doty Road, Mysuru-25



Dr. B.Y. Sathish Kumar

Assistant Professor and HOD, PG Dept.

~~Postgraduate Department~~
Postgraduate Department

Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)

Doty Road, MYSORE-570 025

Examiners:

1. 

2.

Principal



Place: Mysore

Date:

TO WHOMSOEVER IT MAY CONCERN:

This is to certify that **Mr. Darshankumar D M.Sc. Biotechnology**, has done his internship in Laurus Bio Pvt Ltd. From 14th June 2023 to 9th September 2023.

He has undergone training on "**GENERAL INDUSTRIAL TRAINING ON BIOREACTORS FOR PRODUCTION OF FOOD GRADE PRODUCTS**".

During the internship training he demonstrated good design skill with a self- motivated attitude to learn new things. His performance exceeded expectations and was able to complete the assigned tasks on time.

We wish him all the best for his future endeavours.

For Laurus Bio Pvt Ltd



Rakesh D

General Manager- Production



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSURU - 570025



Postgraduate Department of Bio-Technology

CERTIFICATE

Certified that internship report entitled "GENERAL INDUSTRIAL TRAINING IN PRODUCTION DEPARTMENT" is a Bonafide work carried out by Mr. PAVAN RAJ V (Reg.no. JBU21022) (UUCMS No. P01BE21S0561) in partial fulfilment of the requirements for the award of Master of Science degree in Bio-Technology of University of Mysore.

GUIDE


21/9/23

Mr. Vasanth Patil H.B.
Assistant Professor

Postgraduate Department of Bio-Technology
JSS College, Doty Road, Mysuru-25



Dr. B.Y. Sathish Kumar
Assistant Professor and HOD, PG

Dept. of Bio-Technology
Head of the Department

Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Doty Road, MYSORE-570 025

Examiners:

1. /21/9/23

2. 
21/9/23

Principal



Place: Mysore

Date: 21-09-2023

TO WHOMSOEVER IT MAY CONCERN:

This is to certify that Mr. Pavan Raj V M.Sc. Biotechnology, has done his internship in Laurus Bio Pvt Ltd. From 14th June 2023 to 9th September 2023.

He has undergone training on "GENERAL INDUSTRIAL TRAINING ON BIOREACTORS FOR PRODUCTION OF FOOD GRADE PRODUCTS".

During the internship training he demonstrated good design skill with a self-motivated attitude to learn new things. His performance exceeded expectations and was able to complete the assigned tasks on time.

We wish him all the best for his future endeavours.

For Laurus Bio Pvt Ltd



Rakesh D

General Manager- Production



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(An Autonomous College of University of Mysore) MYSORE -570025

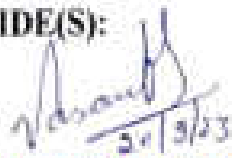


Postgraduate Department of Biotechnology

CERTIFICATE

Certified that internship report entitled "INTERNSHIP AT QUALITY ASSURANCE DEPARTMENT IN NESTLE INDIA LTD.," is a bonafied work carried out by Ms. Shwetha P Hampole (Reg.no.P01BE21S0201) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):


20/3/23

Mr. Vasanth Patil H B

Assistant Professor

PG Dept. of Bio-Technology

JSS College, Ooty Road, Mysuru-25



Dr. B.Y. Sathish Kumar

HOD, PG Dept. of Bio-Technology

Head of the Department

Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)

Ooty Road, MYSORE-570 025

Examiners:

1. 
2.

Place: Mysore

Date:

Principal



Nestlé India Limited

KIADB Industrial Area, First Floor No 24
Nanjangud - 571 302, Mysore District Karnataka
Phone: (08221) 244600-244629
Email: Corporate@nestle.com
Website: www.nestle.in



Date: 31st August 2023


TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Shwetha P Hampole, student of ISS College of Art, Commerce and Science, Mysore, has successfully completed her Project Work in our organisation as a part of her curriculum, from 24th May 2023 to 31st August 2023.

During the Project Work, we found her conduct good & she was sincere in her efforts to study and was much interested in the assigned work.

We wish her all the very best in her future endeavours.

NESTLE INDIA LIMITED
NANJANGUD FACTORY


SRINIVAS MURTHY
MANAGER -CA



"Registered Office: 100 / 101, World Trade Centre, Barakhamba Lane, New Delhi - 110 001"

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'GENERAL INDUSTRIAL TRAINING PRODUCTION DEPARTMENT' is a bonafied work carried out by Mr. Darshankumar. D (Reg.no.P1901BE21S0261) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE

20/9/23

Mr. Vasanth Patil H.B

Assistant Professor

Postgraduate Department of Bio-Technology
JSS College, Outy Road, Mysuru-25

Dr. B.Y. Sathish Kumar

Assistant Professor and HOD, PG Dept.

Postgraduate Department

Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)

Outy Road, MYSORE-570 025

Examiners:

1.

2.

Principal

Place: Mysore

Date:

TO WHOMSOEVER IT MAY CONCERN:

This is to certify that **Mr. Darshankumar D M.Sc. Biotechnology**, has done his internship in Laurus Bio Pvt Ltd. From **14th June 2023** to **9th September 2023**.

He has undergone training on **"GENERAL INDUSTRIAL TRAINING ON BIOREACTORS FOR PRODUCTION OF FOOD GRADE PRODUCTS"**.

During the internship training he demonstrated good design skill with a self-motivated attitude to learn new things. His performance exceeded expectations and was able to complete the assigned tasks on time.

We wish him all the best for his future endeavours.

For Laurus Bio Pvt Ltd



Rakesh D

General Manager- Production



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project entitled "A Preliminary Study on Extracellular Proteins and Biosurfactants in Yeast Isolates Under Heavy Metals Stress" is a bonafied work carried out by Mr. PRAJWAL M (Reg.no. JBT210208) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

Guide


Dr. BHAVYA G

Asst. Prof.


Dr. B. Y SATISH KUMAR

Head of the Department
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Dooy Road, MYSORE-570 025

Examiner: 1)



2) 

Dr. PRATHIBHA S

Principal, JSSCACS

Place: Mysuru

Date:

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that internship report entitled 'Reformulating the establishment of a culture base and expansion of the manufacturing process for serratiopeptidase within an industrial environment' is a bonafied work carried out by Ms. Rakshitha Mery Tanuja (Reg.no. P01BE21S0409) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the Guide

External Guide -
Mr. Sudarsanan N

Sr. Manager-Biologics

Anthem Biosciences Pvt Ltd



Internal Guide -


Dr. B.Y. Sathish Kumar
HOD, PG Dept. of Bio-Technology
Head of the Department
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE-576 025

Examiners:

1.

2.


21/09/2023


Place: Mysore

Date:

Principal




HR | 4021 HR/Training-LA
11/11/2023 12:54:17 PM

Anthem Biosciences Pvt. Ltd.

W.P.I. & T. Centre Road,
Bannuramballi Industrial Area, Phase - I
Bannuramballi, Bengaluru - 560 090
Karnataka, India

CPN : 0844 0942889/0942890
Tel : +91 80 6672 4000
Fax : +91 80 6672 4001
www.anthembiotech.com

To Whomsoever It May Concern

Certificate of Internship Training

This is to certify that **Ms . Rakshitha Mery Tanuja** has successfully completed her internship training from 12th June ,2023 to 12th August , 2023 in biological department under the guidance of

Mr. SUDHARSANAN N.

We found her sincere and hard working during her tenure. We wish her all the best in her future endeavors.

Best Regards

From ANTHEM BIOSCIENCE PVT.LTD

S Sunil Kumar
Sr. Manager -HR

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'ISOLATION, PURIFICATION AND CHARACTERIZATION OF BIOACTIVE COMPOUND(flavonoids) FROM *Gynura crepidioides* is a bonified work carried out by Ms. Pooja G S (Reg.no. P01BE21S0238) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore .

Guide

Dr. Rekha .N.D. M.Sc., Ph.D.

Assistant professor

PG Department of Biotechnology

Dr. B.Y. Sathish Kumar

Head of the Department

Postgraduate Department of Biotechnology

JSS College of Arts, Commerce and Science

(Autonomous)

Govt Road, Mysore - 570 025

Examiners:

1. 20/01/2025

2.

Place: Mysore

Date:

Principal



JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(Autonomous, NAAC 'A' Grade & College with Potential for Excellence)
OOTY ROAD, MYSORE -570025

CERTIFICATE

Certified that project entitled "INDUSTRIAL PRODUCTION OF RECOMBINANT ENZYME (Bst DNA Polymerase)" at *E2E BIOTECH LIMITED*, is a bonified work carried out by Ms. Mallika (Reg.no. JBT21018) in partial fulfillment of the requirements for the award of Master of Science (M.Sc.) degree in Biotechnology of University of Mysore during the year 2022 -23.

Name & signature of the External guide

Head of the Department
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE-570 025

Name & signature of the Internal guide

Dr. BHAVYA S.

Examiners:

Dr. S. Prathibha

Principal, JSSCACS

Ooty road, Mysuru- 25

Place: Mysore



E2E BIOTECH PRIVATE LIMITED

(CIN: U74999KA2016PTC095022 GSTIN: 29AAECE3523F12U)

Date: 21/08/2023

CERTIFICATE

This is to certify that Ms **Mallika**, M.Sc Biotechnology, Student of JSS College of Arts Commerce and Science has successfully completed three months internship work entitled "Industrial production of recombinant enzyme (Bst DNA Polymerase) used in genetic engineering" in our organization. During her tenure with us, we found Ms Mallika to be honest, hardworking and responsible.

She deserves all encouragement. We wish her all the best for all her future endeavours.

Best Regards


Dr. Gururaj HB
COD & CSO,
E2E BIOTECH PVT LTD

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'General Industrial training on Bioreactor for production of food grade products' is a bonafied work carried out by Ms. SINDU SREE (Reg.no. P01BE21S0263) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the Guide

External Guide -

Mr. Parthiban G

(Senior Manager, Production
Laurus Bio Pvt, Ltd. Tumkur)

Dr. B.Y. Sathish Kumar

HOD **Head of the Department** of Bio-Technology

Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)

Ooty Road, MYSORE-570 025

Internal Guide -

Examiners:

1. 20/9/23

2. 20/9/23

Dr. Prathiba S
Principal, JSSCACS
Ooty road, Mysore- 25

Place: Mysore

Date: 20-09-2023

TO WHOMSOEVER IT MAY CONCERN:

This is to certify that **Ms. Sindu Sree M.Sc. Biotechnology** has done her internship in Laurus Bio Pvt Ltd. From 14th June 2023 to 9th September 2023.

She has undergone training on "GENERAL INDUSTRIAL TRAINING ON BIOREACTORS FOR PRODUCTION OF FOOD GRADE PRODUCTS".

During the internship training, she demonstrated good design skills with a self-motivated attitude to learn new things. Her performance exceeded expectations and was able to complete the assigned tasks on time.

We wish her all the best in her future endeavours.

For Laurus Bio Pvt Ltd



Rakesh D

General Manager- Production



(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology


CERTIFICATE

Certified that project/internship report entitled 'ANALYSIS OF ACTIVE PHARMACEUTICAL INGREDIENTS' is a bonafied work carried out by Ms. NISARGA S (Reg.no. P01BE21S0232) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

External Guide -

Mr. Ragavendra Rao Desai
Director of analytical research
development

Internal Guide -


Dr. B.Y. Sathish Kumar
Head of the Department
Postgraduate Department of Biotechnol
JSS College of Arts, Commerce and Sci
(Autonomous)
Daly Road, MYSORE, 570 011

Examiners:

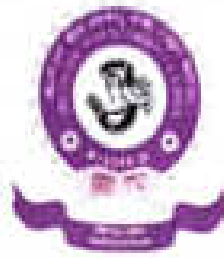
1. 
2. 

Prathiba S
Principal

Place: Mysore

Date:





Postgraduate Department of Biotechnology

CERTIFICATE

CERTIFIED THAT INTERNSHIP REPORT ENTITLED 'ANALYSIS OF ACTIVE PHARMACEUTICAL DRUG ESICARBAZEPINE ACETATE BY HPLC AND GC METHOD IS A BONAFIED WORK CARRIED OUT BY MS. DIVYASHREE P (REG.NO. P01BE21S0560) IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF MASTER OF SCIENCE DEGREE IN BIOTECHNOLOGY OF UNIVERSITY OF MYSORE.

GUIDES:

Signature of the Guide

External Guide -

Mr. Raghavender Rao Desai
Director of Analytical R & D
Jubilant Pharmova Ltd.

Internal Guide -

Dr. B.Y. Sathish Kumar

Head of the Department

HO, PG, Dept. of Biotechnology
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE-570 025

Examiners:

1. / 21/09/23
2. / 21/09/23

Place: Mysore

Date: 21/09/2023

PRINCIPAL



**JUBILANT
PHARMOVA**

NID/HR/PTC/2023-24/38

July 31, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Divyashree P. Do Prasanna Kumar C [Reg No: JBT21010] pursuing M.Sc. Biotechnology in JSS College of Arts, Commerce and Science (Autonomous), Mysore has successfully completed her Internship in our Organization from 29th May 2023 to 28th July 2023.

She has undertaken training under the guidance of Mr. Raghavender Rao Desai, Director - Analytical Research/Development.

During her stay, Ms. Divyashree P. Do Prasanna Kumar C has completed the Internship successfully.

We wish her success in future endeavors.

JUBILANT PHARMOVA LIMITED

Neelima S
NEELIMA S
7/31/23
DIRECTOR - HUMAN RESOURCES

Jubilant Bharatiya Company



Jubilant Pharmova Limited
Jubilant Bharatiya Company
Jubilant Bharatiya Company
Jubilant Bharatiya Company
Jubilant Bharatiya Company

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'To standardize the protocol for expression and purification of protein in Bacterial Expression System' is a bonafied work carried out by Ms. V.K. Deepa (reg no. P01BE21S0259) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore. Signature of the Guide External Guide

GUIDE(S):

Signature of the Guide

External Guide

Dr. Mukti Nath Mishra

Metabolic Engineering HOD
Bioplus Life Science Pvt Ltd

Internal Guide

19/9/22
Dr. BHAVYA C.

Examiners:

1. *[Signature]* / 20/9/22
- 2.

Place: Mysore

Dr. B.Y. Sathish Kumar
HOD, PG Dept. of Bio-Technology

Head of the Department
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Doty Road, MYSORE-570 025

Principal
[Signature]



16th September 2023

CERTIFICATE

This is to certify that **Ms. V.K. DEEPA** M.Sc degree in Biotechnology student of **JSS College of Arts, Commerce and Science** is doing her Internship program in our organization from 01st June 2023 to till date in our **Hydro Plant**.

We wish her all the best in her future endeavors.

for **BIOPLUS LIFE SCIENCES PRIVATE LIMITED,**

AUTHORIZED SIGNATORY

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'Analysis of active Pharmaceutical Drug-ESOMEPRAZOLE SODIUM by high performance liquid chromatography and gas chromatography' is a bonafied work carried out by Ms. Adhi Lakshmi P (Reg.no. P01BE21S0543) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

External Guide -

Mr. Raghavender Rao Desai,
Jubilant Pharmova Limited,
Nanjangud, Mysore-571302.

Internal Guide -

Dr. Abignan Gurukar MS

Examiners:

1. *[Signature]* 21/9/23

2. *[Signature]*

Place: Mysore

Date:

[Signature]

Dr. B.Y. Sathish Kumar
HOD, PG Dept. of Bio-Technology

Head of the Department
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
City Road, MYSORE-570 025

Dr. S Prathibha
Principal

[Signature]



**JUBILANT
PHARMOVA**

NJD/HR/PTC/2023-24/ 81

September 04, 2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. Adhi Lakshmi P, D/o Prasad G [Reg No: P01BE21S0543] pursuing M.Sc. Biotechnology in JSS College of Arts, Commerce and Science (Autonomous), Mysore has successfully completed her Internship in our Organization from 22nd June 2023 to 21st August 2023.

She has completed the Internship under the guidance of Mr. Raghavender Rao Desai, Director –Analytical Research Development.

During her study, Ms. Adhi Lakshmi P has shown keen interest and completed the Internship successfully.

We wish her success in future endeavors.

For JUBILANT PHARMOVA LIMITED


04/09/23
SUBRAHMANYA A
DIRECTOR- HUMAN RESOURCES

A Jubilant Bharati Company

Our Values



Jubilant Pharmova Limited
Plot No. 18, 16, 17 & 18,
KIADB Industrial Area, Nanjangud,
Mysore-571302, Karnataka, India
Tel: +91 8221 228402-8
www.jubilantpharmova.com

Corporate Office
1-A, Sector 18-A,
Noida-201 301, UP India
Tel: +91 120 4261000
Fax: +91 120 4214899-99

Regd. Office
Bhartiaglim, Gurgaon
Distt. Aniraha-244 223, UP India
CN: L2+1 16271178PLC204424

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'Antidiabetic activity of flavonoid isolated from *Gynura crepidioides*' is a bonafied work carried out by Ms. Pavani J Bharadwaj (Reg.no. P01BE21S0241) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore .

Guide :

Rekha N.D.
Dr. Rekha N.D. M.Sc., Ph.D.

Assistant professor

PG Department of Biotechnology

B.Y. Sathish Kumar
Dr. B.Y. Sathish Kumar
HOD, PG Dept. of Bio-Technology
Head of the Department

Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)

Ooty Road, MYSORE-570 025

Examiners:

1. *[Signature]*

2. *B.Y. Sathish Kumar*

Dr. Prathibha
Principal, JSSCACS
Ooty road, Mysore

Place: Mysore

Date: 20/9/23

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE
(An Autonomous College of University of Mysore)
MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'ANALYSIS OF ACTIVE PHARMACEUTICAL DRUG DONEPEZIL HYDROCHLORIDE MONOHYDRATE BY HPLC AND GC METHODS' is a bonafied work carried out by Ms. AISHWARVA B (Reg.no. JBT21002) (uucms.Reg.no.PB01BE21S0527) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE



26/9/23

MR. Vasanth Patil H.B (internal guide)

Assistant professor


Postgraduate department of Bio-technology

Jss college, Ooty road, Mysuru-25


Dr. B.Y. Sathish Kumar
OD, PG Dept. of Bio-Technology
Head of the Department
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE-570 025

Examiners:

1.  (21/9/23)
2. 


Dr. Pratibha s
Principal

Place: Mysore

Date:



**JUBILANT
PHARMOVA**

NJD/HR/PTC/2023-24/30

July 25, 2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. Ashwarya B, D/o Basavaraju [Reg No: JBT21002] pursuing M.Sc. Biotechnology in JSS College of Arts, Commerce and Science (Autonomous), Mysore has successfully completed her Internship in our Organization from 22nd May 2023 to 21st July 2023.

She has undergone training under the guidance of Mr. Raghavender Rao Desai, Director -Analytical Research Development.

During her study, Ms. Ashwarya B has shown keen interest and completed the Internship successfully.

We wish her success in future endeavors.

For JUBILANT PHARMOVA LIMITED

 25/07/23
SUBRAHMANYA A

DIRECTOR- HUMAN RESOURCES

A Jubilant Bharat Company

Our Values



Jubilant Pharmova Limited
#Plot No. 18, M. 17 & 18
KALB Industrial Area, Narangal
Mysore 571 012, Karnataka, India
Tel: +91 823 2264224
www.jubilantpharmova.com

Corporate Office
1A, Sector 19-A
Noida-201 301, UP India
Tel: +91 120 4861100
Fax: +91 120 4234095-96

Regd. Office
Bharatpur, Gorakhpur
Distt. Gorakhpur-244 121, UP India
CIN: L24110UP1999PLC000024

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'BACTERIAL REVERSE MUTATION TEST (AMES) AS PER OECD 471' is a bonafide work carried out by Ms. VISMAYA K R (Reg.no JBT21049.) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Dr. Samit Kadam

HOD, Department of
Genotoxicology,

Vipragen Biosciences Pvt Ltd,
Mysore.



External Guide:

Internal Guide:

Examiners:

1. 21/9/23

2. 21/9/23

Place : Mysore

Date :

Dr. B.V. Sathish Kumar

Head of the Department
Postgraduate Department of Biotechnology
PG Dept. of Biotechnology

(Autonomous)
Doly Road, MYSORE-570 021

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'Internship on instrumentation of Analytical Devices' is a bonafied work carried out by **Ms. Sushma S Y** (Reg.no. **P01BE21S0213**) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

External Guide –

Mr. HITESH

HOD-Analytical development laboratory
CIPLA PHARMOVA LIMITED

Virgonagar Bangalore.

Dr. B.Y. Sathish Kumar

HOD, PG Dept. of Bio-Technology
Head of the Department

Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)

Ooty Road, MYSORE-570 025

Internal Guide -

Examiners:

- 1.
- 2.

Prathiba s

Principal

Place: Mysore

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



CERTIFICATE

Certified that project/internship report entitled 'Clinical trial design its importance and management' is a bonafied work carried out by Ms. Soundarya Mulge (Reg.no. P01BES0294) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the Guide

External Guide -

Dr. Pawan Kumar Singh

Internal Guide -

M. S. Abhinav Chandra

Examiners:

1. *Dr. Pawan Singh / 20/5/23*

2.

Place: Mysore

Date:

B.Y. Sathish Kumar

Dr. B.Y. Sathish Kumar
HOD, PG Dept. of Bio-Technology

Head of the Department
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE-570 025

Principal

[Signature]

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled 'ANALYSIS OF ACTIVE PHARMACEUTICAL INGREDIENTS' is a bonafied work carried out by Ms. AMULYA SL (Reg.no.P01BE21S0514) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

External Guide -

Mr. Ragavendra rao desai
Director of analytical research
development

Internal Guide -

Dr. B.Y. Sathish Kumar
HOD, Department of Biotechnology

Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE-570025

Examiners:

1.

2.

Place: Mysore

Date:

Dr. Prathibha
Principal, JSSCACS
Ooty Road, Mysore



NID/HR/PTC/2023-24/39

July 31, 2023

TO WHOM SO EVER IT MAY CONCERN


This is to certify that Ms. Amulya S L, D/o Lakshmana [Reg No: JBT21003] pursuing M.Sc. Biotechnology in JSS College of Arts, Commerce and Science (Autonomous), Mysore has successfully completed her Internship in our Organization from 29th May 2023 to 28th July 2023.

She has undergone training under the guidance of Mr. Raghavender Rao Desai, Director -Analytical Research Development.

During her study, Ms. Amulya S L has shown keen interest and completed the Internship successfully.

We wish her success in future endeavors.

For JUBILANT PHARMOVA LIMITED


SUBRAHMANYA A
DIRECTOR- HUMAN RESOURCES

A Jubilant Bharati Company



Jubilant Pharmova Limited
A Jubilant Bharati Company
Jubilant Bharati, 1st Floor, 100 Feet Road,
Mysore, Karnataka, India 570002
Ph: 08242222222
www.jubilantpharmova.com

Corporate Office
Jubilant Bharati
100 Feet Road, Mysore
Karnataka, India 570002
Ph: 08242222222
www.jubilantpharmova.com

Head Office
Jubilant Bharati
100 Feet Road, Mysore
Karnataka, India 570002
Ph: 08242222222
www.jubilantpharmova.com

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSURU - 570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that internship report entitled Industrial internship on "Active pharmaceutical ingredients" is a bonafied work carried out by Ms. SNEHA P R (Reg.no. P01BE21S0250) in partial fulfilment of the requirements for the award of Master of Science degree in Biotechnology, University of Mysore.

GUIDE(S):

Signature of the Guide

Dr. Bhavya G
Assistant Professor

Postgraduate Department of Biotechnology
JSS College, Ooty Road Mysore-25

Dr. B. Y. Sathish Kumar
Assistant Professor and HOD

PG Dept. Of Biotechnology
Head of the Department
Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE-570 025

Examiners:

- 1.
- 2.

Dr. Prathibha. S.

Principal

Place: Mysore

Date:

19th August, 2023

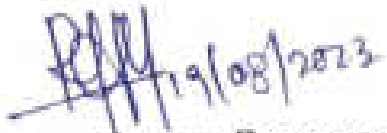
CERTIFICATE

This is to certify that Ms. Sneha P R, Reg. No. JBT21035, student of JSS College of Arts, Commerce and Science, Ooty Road, Mysore studying in IV Semester - M. Sc. Biotechnology, has carried out her Internship in our organization. She has undergone training in Quality Control, Microbiology and Production departments. The duration of training was from 21st June 2023 to 19th August 2023.

We found her keen in learning and good in conduct.

We wish her all the success in her future endeavors.

For R L Fine Chem Pvt. Ltd.,

 19/08/2023

Manager - Human Resources

R L FINE CHEM PVT. LTD.
Plot No. IP-27-29, KUADB Industrial Area,
1st Phase, Kudumalakunte Village,
Gowribidanur Taluk, Chikmagalur Dist.,
Karnataka - State, India. PIN: 561 208

RLFC HEALING
STARTS HERE

R L Fine Chem Pvt. Ltd.,
"RLFC HOUSE" Plot No. C-18, 3rd Cross, KSSIPC Industrial Estate,
Warananiki New Town, Bengaluru 560064 Karnataka, India
T +91 82 4248 8999 | info@rlfinechem.com
www.rlfinechem.com CIN No. : U24100KA2011PTC059845

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that project/internship report entitled '**Antioxidant property of bioactive molecule isolated from *Gynura crepidioides*** is a bonafied work carried out by **Mr. Chethan.c.k** (Reg.no.P01BE21S0551) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

Signature of the Guide

Dr. Rekha. N.D

M.Sc., Ph.D.

Assistant professor

PG Department of Biotechnology

Dr. B.Y. Sathish Kumar

HOD, PG Dept. of Bio-Technology

Head of the Department

Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)

Ooty Road, MYSORE-570 025

Examiners:

1.  / 21/9/23

2.  / 21/9/23

Place: Mysore

Date:

Dr. S. Prathibha

Principal, JSSCACS

Ooty road, Mysuru - 25

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSORE -570025



Postgraduate Department of Biotechnology

CERTIFICATE

Certified that internship report entitled 'General Industrial on Microbiology in Quality control department' is a bonafied work carried out by Mr. Theertha Kumar K (Reg.no. P01BE21S0257) in partial fulfillment of the requirements for the award of Master of Science degree in Biotechnology of University of Mysore.

GUIDE(S):

Signature of the Guide

External Guide -

Mr. Shreekanth

(Senior Manager QC Microbiology,
Laurus Bio, Pvt. Ltd, Bangalore)

Internal Guide -

Examiners:

1. *[Handwritten Signature]*
2. *[Handwritten Signature]*

Place: Mysore

Date: 20-09-2023

2

[Handwritten Signature]

Dr. B.Y. Sathish Kumar
HOD, PG Dept. of Bio-Technology

Head of the Department

Postgraduate Department of Biotechnology
JSS College of Arts, Commerce and Science
(Autonomous)
Osly Road, MYSORE-570 025

Dr. Prathiba S
Principal, JSSCACS

Osly road, Mysore-25

[Handwritten Signature]

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Theertha Kumar K MSc Biotechnology has done his Internship in Laurus Bio Pvt Ltd. From 1st August 2023 to 15th September 2023.

He has undergone training on "GENERAL INDUSTRIAL TRAINING ON MICROBIOLOGY IN QUALITY CONTROL DEPARTMENT".

During the internship training, he demonstrated good design skills with a self-motivated attitude to learn new things. His performance exceeded expectations and was able to complete the assigned tasks on time.

We wish him all the best in his future endeavours.

For Laurus Bio Pvt Ltd,


Vinuta Chetan
Group Manager- HR



LAURUS BIO PRIVATE LIMITED (Formerly known as Richcore Lifesciences Pvt Ltd.)
Plot. No. 204 & 237, Bommasandra Jigani Link Road, K.I.A.D.B. Industrial Area, Bangalore Rural District,
Karnataka - 560105, India. T : +91 - 8110 - 419777 F : +91 - 080 - 2783 9574 W : www.laurus.bio
E : info@laurus.bio CTN : U02423KA2005PTC036770

LAURUS Labs LAURUS ingredients LAURUS Generics LAURUS Synthesis

JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE

(An Autonomous College of University of Mysore)

MYSURU -570025




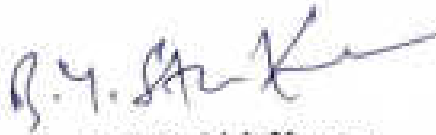
Postgraduate Department of Bio-Technology

CERTIFICATE

Certified that internship report entitled Industrial internship on "ACTIVE PHARMACUTICAL INGREDIENTS" is a bonafide work carried out by Ms. Deepthi .N (Reg.no. JBT21009),(UUCMS No.P01BE21S0254) in partial fulfillment of the requirements for the award of Master of Science degree in Bio-Technology of University of Mysore.


GUIDE


20/9/23
Mr. Vasanth Patil H.B
Assistant Professor
Postgraduate Department of Bio-Technology
JSS College, Ooty Road, Mysuru-25


Dr. B.Y. Sathish Kumar
Assistant Professor and HOD
Head of the Department PG
Dept. of Bio-Technology
Postgraduate Department of Bio-Technology
JSS College of Arts, Commerce and Science
(Autonomous)
Ooty Road, MYSORE-570 025

Examiners:

1. 
21/09/2023
2. 

Dr.Prathibha.S
Principal


Place: Mysore

Date:

19th August, 2023

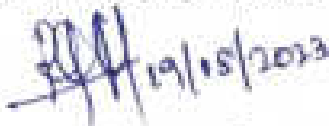
CERTIFICATE

This is to certify that Ms. Deepthi N, Reg. No. JBT21009, student of JSS College of Arts, Commerce and Science, Ooty Road, Mysore studying in IV Semester - M. Sc. Biotechnology, has carried out her Internship in our organization. She has undergone training in Quality Control, Microbiology and Production departments. The duration of training was from 21st June 2023 to 19th August 2023.

We found her keen in learning and good in conduct.

We wish her all the success in her future endeavors.

For R L Fine Chem Pvt. Ltd.,

 19/08/2023

Manager - Human Resources

R L FINE CHEM PVT. LTD.

Plot No. IP-37-2B, KADB Industrial Area,

1st Phase, Purnasubrahm Nagar,

Ground Floor, 1st Floor, 2nd Floor, 3rd Floor,

Karnataka



R L Fine Chem Pvt. Ltd.,

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