

KARNATAK UNIVERSITY, DHARWAD



Registration No. : 14S03015,14S03016,14S03017

Date: 16-05-16

14S03018,14S03019

This is to certify that dissertation of project work *"Isolation and Screening of Multiple Drug Resistant Micro-Organisms from Hospital Effluents"* is submitted by Mr.PraveenKomaranahalli,Ms.Preethi,Mr.Rachappa.M.Hudedmani, Mr.Rajashekhar.M.Mandagani and Ms.Rakshita.C.Ullikashi for the partial fulfilment of the **Degree in Master of Science in Biotechnology** is based on the results of experiments carried out by him at **P.G Department of Biotechnology and Microbiology, Karnatak University, Dharwad.** for the academic year 2015 – 2016. The dissertation or a part, there off has not been previously submitted for any degree or diploma course.

Staff Member In-Charge

Examiner

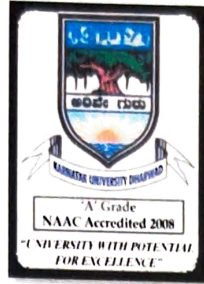
Chairman

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Chairman
P. G. Department of Studies
in Microbiology & Biotechnology
K. U. DHARWAD

KARNATAK UNIVERSITY DHARWAD



CERTIFICATE

Registration No : 14SO3027

Date: 2/6/2016

This is to certify the dissertation of project work "*Effect of Green tea on Prostate Cancer cell lines*" submitted by **UMASHRI JAMBALE** for the partial fulfillment of the **Degree in Master of Science in Biotechnology** is based on the results of experiments carried out by her at **Department of Biotechnology and Microbiology, Karnatak University, Dharwad** for the academic year 2015-2016. The dissertation or a part there of has not been previously submitted for any diploma and degree course.


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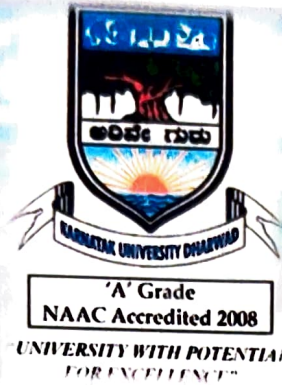
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Microbiology & Biotechnology
Karnatak University, Dharwad

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1. EXAMINER
2. EXAMINER



KARNATAK UNIVERSITY, DHARWAD



CERTIFICATE

Registration No. : 14S03002

Date:


2/6/2016

This is to certify the dissertation of project work "*Studies on production of β carotene from fresh water micro algae *Chlorella vulgaris**" submitted by Ms. **AMRUTHAVARSHINI.S.S** for the partial fulfilment of the **Degree in Master of Science in Biotechnology** is based on the results of experiments carried out by her at **Department of Biotechnology and Microbiology, Karnatak University, Dharwad** for the academic year 2015 -2016. The dissertation or a part there of has not been previously submitted for any diploma and degree course.

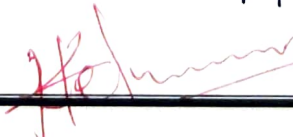

16/6/2015
Staff Member In-Charge


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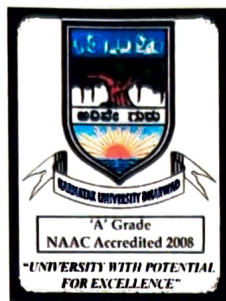
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2/6/2016

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K. J. Somaiya Vastu Sangrahalaya


2/6/16

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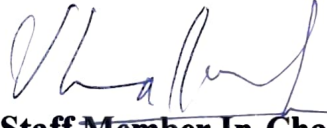



CERTIFICATE

Registration no: **14S03008**

Date: **14/05/2016**



This is to certify the dissertation of project work "**Microbial degradation of synthetic plastics**" submitted by Jayashree. Gouda for the partial fulfillment of the **Degree in Master of Science in Biotechnology** is based on the results of experiments carried out by him at **Department of Biotechnology and Microbiology, Karnatak University, Dharwad** for the academic year 2015 – 2016. The dissertation or a part there of has not been previously submitted for any diploma and degree course.


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14/5/16


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Karnatak University, Dharwad

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2/6/16

KARNATAK UNIVERSITY DHARWAD




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University with potential for excellence

CERTIFICATE

Date: 22-5-18

This is to certify the dissertation of project work **“Phytochemical Analysis and Evaluation of Pharmacological Potentials of Selected Plants of Western Ghats”** submitted by **Miss. AKSHATA. ASHOK. SHETTI** Roll.no:16S03001, IV semester **Biotechnology**, for the partial fulfillment of the Degree in **Master of Science in Biotechnology** is based on the results of experiments carried out by her at the **P.G.Department of Biotechnology and Microbiology, Karnatak University, Dharwad** for the academic year 2017-2018. The dissertation as a part there of has not been previously submitted for any other degree, award or prize either in this or any other University.

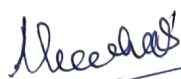

Project Supervisors

1.  15/5/18

2.  15/5/18

VALUED
1. EXAMINER
2. EXAMINER


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Chairman
P. G. Department of Studies
in Microbiology & Biotechnology
K.U. Dharwad



22/5/18

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Certificate

Registration No.: 16S03024

Date: 11-05-2018

This is to certify that the dissertation of project work entitled **"Isolation and Characterization of Bioactive Compounds and Synthesis of Nanoparticles from *Cassia sericea* Sw. and their Therapeutic Applications"** submitted by **Ms. Pooja R. Patil** for the partial fulfilment of the **Degree in Master of Science in Biotechnology** is based on the results of experiments carried out by her at the **P. G. Department of Biotechnology and Microbiology, Karnatak University, Dharwad** for the academic year 2017-2018. The dissertation or a part there of has not been previously submitted for any diploma and degree course.

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1. EXAMINER

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Staff Member In-Charge

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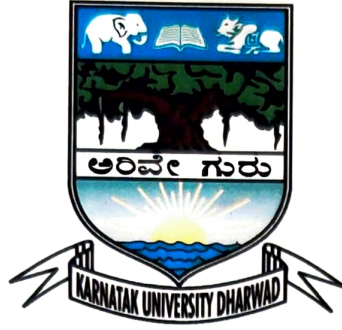
[Signature]
Chairman

Chairman

**P. G. Department of Studies
in Microbiology & Biotechnology
K.U. Dharwad**

[Signature]
[Signature] (Dr. Anurag G. K.)

KARNATAK UNIVERSITY DHARWAD



Re-accredited by NAAC 'A' Grade University with Potential for Excellence

Certificate

Registration No. 15S03013, 15S03022, 15S03026

Date: 10/05/2017

15S03028, 15S03029


This is to certify that the dissertation entitled "MECHANISM OF MICROBIAL CELL-CELL INTERACTION" submitted by **Biotechnology IV Semester batch VI** for partial fulfilment of the **Degree in Master of Science in Biotechnology** is based on the actual results of the experiments carried out by us at **P.G Department of Studies in Biotechnology and Microbiology, Karnataka University, Dharwad** for the academic year 2016-2017.

Staff member in-Charge

1. 
10/5

Examiners

1.


Chairman
Chairman
P. G. Department of Studies
in Microbiology & Biotechnology
K. U. Dharwad
10/05/2017

2.



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1. EXAMINER
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UNIVERSITY WITH POTENTIAL
FOR EXCELLENCE

CERTIFICATE


Registration No. : 15S03030

Date: 18-5-2017


This is to certify the dissertation of project work "**Pharmacological evaluation of Iron Nanoparticles synthesized from aqueous leaf extract of *Vitex leucoxylon***" submitted by **Miss. VIJAYALAXMI P. G.** for the partial fulfilment of the **Degree in Master of Science in Biotechnology** is based on the results of experiments carried out by him at **Department of Biotechnology and Microbiology, Karnatak University, Dharwad** for the academic year 2016 – 2017. The dissertation or a part there of has not been previously submitted for any diploma and degree course.

1) 
Staff Member In-Charge

Chairman

2) 
Dr. Anurag H. K.

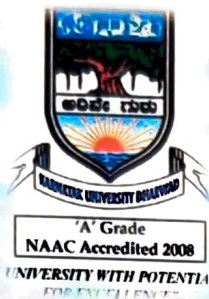
VALUED
1. EXAMINER


P. G. Department of Studies
in Microbiology & Biotechnology
Dharwad

2. EXAMINER



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Certificate


Registration No. : 15S03008, 15S03010, 15S03015,

Date: 18/05/2017

15S03018, 15S03027,

This is to certify the dissertation of project work entitled "Isolation, Phytochemical profiling and In-vitro antioxidant assay of Chlorella pyrenoidosa a freshwater microalgae" submitted by Biotechnology semester IV Batch IV for the partial fulfilment of the Degree in Master of Science in Biotechnology is based on the results of experiments carried out by him at Department of Biotechnology and Microbiology, Karnatak University, Dharwad for the academic year 2016 – 2017. The dissertation or a part there of has not been previously submitted for any diploma and degree course.

Staff Member In-Charge

1.  18/05/2017

2. 


Chairman

P. G. Department of
Microbiology & Biotech
K.U. Dharwad

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1. EXAMINER

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 18/05/17



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Certificate

Registration No.: 16S03024

Date: 11-05-2018

This is to certify that the dissertation of project work entitled **"Isolation and Characterization of Bioactive Compounds and Synthesis of Nanoparticles from *Cassia sericea* Sw. and their Therapeutic Applications"** submitted by **Ms. Pooja R. Patil** for the partial fulfilment of the **Degree in Master of Science in Biotechnology** is based on the results of experiments carried out by her at the **P. G. Department of Biotechnology and Microbiology, Karnatak University, Dharwad** for the academic year 2017-2018. The dissertation or a part there of has not been previously submitted for any diploma and degree course.

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1. EXAMINER

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Staff Member In-Charge

1.

2.

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In Microbiology & Biotechnology
K.U. Dharwad

Dr. Anurag K. K.

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Registration No. : 16S03022

Date: 16/5/2018

This is to certify that the dissertation of project work entitled "**Analysis of Probiotics – The Good Microorganisms**" submitted for the partial fulfilment of the **Degree of Master of Science in Biotechnology** is based on the results of the experiments and findings carried out by me at the **Department of Microbiology and Biotechnology, Karnatak University, Dharwad** during the academic year 2017-2018. The dissertation in full or a part of the dissertation has not been previously submitted for any diploma or degree elsewhere.

VALUED

1. EXAMINER

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[Signature]
16/5

Staff Member In-Charge

[Signature]
22/5/18

[Signature]
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Chairman

P. G. Department of Studies
In Microbiology & Biotechnology
K.U. Dharwad

KARNATAK UNIVERSITY, DHARWAD



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Certificate

Date: 22-05-2018

This is to certify that the dissertation of project work entitled "EXTRACTION AND BIOPHYSICAL CHARACTERIZATION OF *Antheraea mylitta* SILK SERICIN: A NOVEL BIOPOLYMER FOR BIOMEDICAL APPLICATIONS" submitted for the partial fulfilment of the **Degree in Master of Science in Biotechnology** is based on the results of experiments carried out by us at **P.G. Department of Biotechnology and Microbiology, Karnatak University, Dharwad** for the academic year 2017-2018. The dissertation or a part there of has not been previously submitted for award of any degree or diploma either in this or any other university.

Submitted By:

Ms. Cynthia A. Ranjal (16S03007)

Mr. Kirankumar Kammar (16S03012)

Ms. Kirti P. Hasalkar (16S03013)

Mr. Mailari Madar (16S03017)

Ms. Pallavi M. Patagar (16S03021)

Staff Member In-Charge

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Certificate

Registration No. : 16503023

Date: 17/05/18

This is to certify that the dissertation of project work entitled
**"SYNTHESIS AND CHARACTERIZATION OF BOVINE SERUM
ALBUMIN NANOPARTICLES ENCAPSULATING CURCUMIN
INTENDED FOR ITS TREATMENT IN BREAST CANCER"** submitted
by **Mr. Pavan S. Uranakar** for the partial fulfilment of the **Degree in Master
of Science in Biotechnology** is based on the results of experiments carried out
by him at **Department of Biotechnology and Microbiology, Karnatak
University, Dharwad** for the academic year 2017– 2018. The dissertation or a
part of dissertation has not been previously submitted for any diploma and
degree course.

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Registration No. : 16S03015

Date: 19-5-18

This is to certify that the dissertation entitled “ISOLATION AND CHARACTERIZATION OF BIOSURFACTANT FROM *Staphylococcus lentus* AND ITS BIOLOGICAL PROPERTIES” submitted by **Miss. Kusuma C Hunashikatti** for the fulfilment of the project is based on the results of experiments carried out by her at P.G. Dept. of Studies in Biotechnology & Microbiology, Karnatak University, Dharwad. For the academic year 2017– 2018. The dissertation or a part there of has not been submitted for any other degree, award or prize either in this or any other University.

Faculty Member In-Charge

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Chairman

P. G. Department of Studies
in Microbiology & Biotechnology
K.U. Dharwad

1. 19/05/2018

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22/5/18

KARNATAK UNIVERSITY, DHARWAD



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Certificate

Reg No. 17S03020

Date: 14/6/19

This is to certify that the dissertation of project work entitled "**CHLORELLA –SUPPLEMENT FOR DIETARY FORTIFICATION**" submitted for the partial fulfilment of the degree of **Master of Science In Biotechnology** is based on the results of the experiments and findings carried out by me at the **Department of Biotechnology and Microbiology, Karnatak University, Dharwad** during the academic year 2018-19. The dissertation in full or a part of the dissertation has not been previously submitted for any diploma or degree elsewhere.


Research Supervisor

Dr. Chethan J.D.

Assistant Professor

Dept. of Microbiology & Biotechnology

Karnatak University, Dharwad-580003

Ph: 9886489565


Chairman

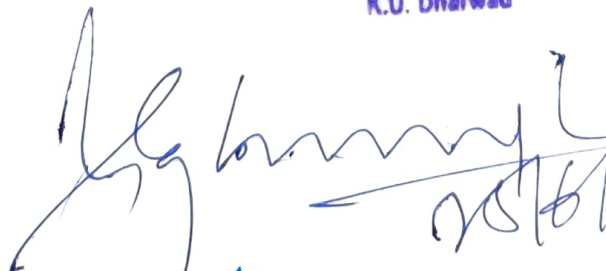

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1. EXAMINER

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14/6/19

KARNATAK UNIVERSITY, DHARWAD



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Certificate

Date: 14/06/19

This is to certify that the dissertation of project work entitled **"URINARY MICROBIOME PROFILE OF A PATIENT WITH DIABETES MELLITUS"** submitted for the partial fulfilment of the Degree in Master of Science in Biotechnology is based on the results of experiments carried out at the Department of Biotechnology and Microbiology, Karnatak University, Dharwad for the academic year 2018– 2019. The dissertation or a part there of has not been previously submitted for any diploma and degree course.

Submitted by:

Ms. Madhuri Pattar

17S03012

Ms. Rekha Halayal

17S03021

Ms. Shachi P J

17S03024

Ms. Srushti D Sangale

17S03027

Mr. Vishal Devaraj

17S03033

VALUED

1. EXAMINER

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Chinnamath

Staff Member In-Charge

Ranabhand

Jeenu

Chairman

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In Microbiology & Biotechnology
K.U. Dharwad

KARNATAK UNIVERSITY, DHARWAD



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CERTIFICATE

Registration No: 17S03007

Date: 25.06.2019 .

This is to certify that the dissertation of project work entitled
"Comparative analysis on Biodiesel production of five different plants"
submitted by **Mr. Ayub. H. Inamdar** for the partial fulfilment of the degree of
Master of Science in Biotechnology is based on the results of the experiments
and findings carried out by me at the **Department of Biotechnology and
Microbiology, Karnatak University, Dharwad** during the academic year
2018-19. The dissertation in full or a part has not been previously submitted for
any diploma or degree elsewhere.


Research supervisors



1.  14/06/19

Dr. SHIVASHARANA C. T.
Asst. Prof. & Research Guide
Dept. of Biotechnology & Microbiology
Karnatak University, Pavate Nagar,
Dharwad-580003

Examiners

1. **EXAMINER**
2. **EXAMINER**

2.  14/06/19
Chairman
Chairman
P. G. Department of Studies
In Microbiology & Biotechnology
K.U. Dharwad


 25/6/19

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Certificate

Reg No. 17S03017

Date 14/06/2019

This is to certify that the dissertation entitled "**Isolation of cell wall elicitor from *Penicillium chrysogenum* and its response to drought stress on sorghum**" submitted by Ms. P B Pooja for the fulfilment of the project is based on the results of experiments carried out by her at **P. G. Dept. Of Studies in Biotechnology & Microbiology, Karnatak University, Dharwad** for the academic year 2018-2019. The dissertation has not been submitted for any other degree, award or prize either in this or any other University.

Faculty Member In-Charge

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14/06/2019


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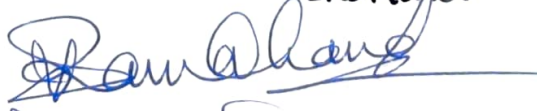

P. G. Department of Studies
in Microbiology & Biotechnology
K.U. Dharwad

2.


14/06/2019

VALUED
1. EXAMINER
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Examiner

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CERTIFICATE

Date: 16/10/20.

This is to certify that the Dissertation entitled "**Biosynthesis of Silver nanoparticles by *Memecylon umbellatum* and their Therapeutic application**" submitted for the fulfillment of project is based on the results of experiments carried out by us in **P.G. Dept. of studies in Biotechnology and Microbiology, Karnataka University, Dharwad** for the academic year 2019-2020. The dissertation has not been submitted for any other degree, award or prize either in this or any other University

Submitted by

BHAVANI G PATTAR	18S03007
LAXMI R DHARWAD	18S03015
SHREEDHAR RATHOD	18S03033
SUJAY HULLUR	18S03035
SUNITA G NAGARAHALLI	18S03036
UZMA NADAF	18S03037
V VISHALAKSHI	18S03038

Faculty Member In-Charge

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1. EXAMINER

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Mykhailo
Chairman

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In Microbiology & Biotechnology

K. U. Dharwad

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P. G. Department of Studies in Biotechnology and Microbiology 2019-2020

CERTIFICATE

Date: 16/10/2020

This is to certify that the Thesis entitled “Role of efficient microbial consortia for Barren soil fertility enhancement.” submitted by Amit.Kulkarni, G. Anusuya, Jogura Chandana, Kavya Girennavar, Leelavati C. Harade, Rajeshwari S. Shetteppanavar and Vandana S. for the fulfillment of Project is based on the results of experiments carried out by us at P.G. Dept. of studies in Biotechnology and Microbiology, Karnatak University, Dharwad for the academic year 2019-2020 .The dissertation as not been submitted any other degree, award or prize either in this or any other University.

Reg No: 18S03003- Amit Kulkarni
18S03010- G. Anusuya
18S03012- Jogura Chandana
18S03013- Kavya M Girennavar
18S03016- Leelavati C.Harade
18S03024- Rajeshwari S. Shetteppanavar
18S03039- Vandana S.

Faculty Member In-Charge



Chairman

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 16/10/2020

KARNATAK UNIVERSITY, DHARWAD

Pavate Nagar, Dharwad-580 003, Karnataka, India

Dr. V. Shyam Kumar

D.Sc (China), Post DOC (SNU, Korea), (QMUL, U.K)

Professor

Principal Investigator

UKIERI, SERB, DBT, DST & UGC Projects

Department of Biotechnology and Microbiology



**Accredited Grade 'A'
by NAAC 2014**

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Certificate

Date: 16/10/2020

This is to certify the dissertation of project work entitled “**Phytochemical Analysis of Medicinal Plant: *Hemidesmus indicus***” submitted by **Ms. Narayani Bhat (18S03018), Mr. Parshuram S. Arkasali (18S03021), Ms. Pooja Malimath (18S03022), Ms. Ranjitha Morigere (18S03025), Mr. Shivaprasad Madarakhandi (18S03032), Ms. Shruti C. Nayak (18S03034)** for partial fulfillment of the Degree in Master of Science in Microbiology is based on the results of experiments carried out by them at P.G. Department of microbiology and Biotechnology, Karnatak University, Dharwad for the academic year 2019-20. The dissertation or apart thereof has not been previously submitted for award of any other degree or diploma either in this or any other University.

Project Supervisors


Chairman

1) 

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1. EXAMINER
2. EXAMINER


16/10/2020

KARNATAK UNIVERSITY, DHARWAD




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CERTIFICATE

Date: 16/10/2020

This is to certify that the dissertation entitled “Biogenic Synthesis of Zinc Oxide Nanoparticles for Application in Plant Defense” submitted by Mr. Ajay Patil (18S03002), Ms. B. M. Priyanka (18S03004), Ms. Basavarajeshwari K (18S03005), Ms. Keerthi C (18S03014), Ms. Ruqsar. A. Hubli (18S03026), Mr. Santosh H (18S03029), Mr. Santosh Kotyal (18S03030) for the fulfilment of project is based on the results of experiments carried out by him at P.G. Dept. of studies in Biotechnology and Microbiology, Karnatak University, Dharwad for the academic year 2019-2020. The dissertation as not been submitted any other degree, award or prize either in this or any other University.

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P. G. Department of Studies
In Microbiology & Biotechnology
K.U. Dharwad

1.

2.


15/10/2020

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Date:

This is to certify that the dissertation of project work entitled "*Phytochemical Screening and Antimicrobial activities of leaf extract of Guava (Psidium guajava L.)*." Submitted for the partial fulfilment of the Degree in *Master of Science in Biotechnology* is based on the results of experiments carried out by us at *P. G. Department of Biotechnology and Microbiology, Karnatak University, Dharwad* for the academic year **2020-2021**. The dissertation or a part there of has not been previously submitted for any diploma and degree course.

Submitted by:

1. Miss. AKSHATA D JADHAV (19S03004)
2. Miss. MAMATA (19S03018)
3. Mr. SACHIN M KALLEDEVAR (19S03025)
4. Mr. SANDEEP H HUDED (19S03027)
5. Miss. SHRILAXMI S BHUJANG (19S03033)
6. Miss. SWAPNA MATHAPATHI (19S03036)

Project supervisor

- 1.
- 2.

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K.U. Dharwad

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Certificate

DATE 07/10/2021

This is to certify the dissertation of project work entitled "Extraction and Characterization of Polysaccharide from Crab Shells and their Antifungal Properties" submitted for the partial fulfillment of the Degree in Master of Science in Biotechnology is based on the result of experiments carried out by them at the P.G Department of studies in Biotechnology and Microbiology, Karnatak University, Dharwad for the academic year 2020-2021. The dissertation or a part has not been submitted for any other degree, award or prize either in this or any other University.

Submitted By

Miss. Akshata	Reg no. 19S03003
Miss. Madhura H M	Reg no. 19S03017
Mr. Shreehari K Naik	Reg no. 19S03031
Mr. Shreekant Lamani	Reg no. 19S03032
Miss. Soundarya R Ghatage	Reg no. 19S03034
Miss. Vaishnavi H C	Reg no. 19S03039
Mr. Vinod Jamadar	Reg no. 19S03041

Project supervisors

1)


04/10/2021

2)


04/10/2021


CHAIRMAN

P. G. Department of Studies
In Microbiology & Biotechnology
K.U. Dharwad

KARNATAK UNIVERSITY

Pavate Nagar, Dharwad-580 003, Karnataka, India

Dr. V. Shyam Kumar

D.Sc (China), Post DOC (SNU, Korea), (QMUL, U.K)

Professor

Principal Investigator

UKIERI, SERB, DBT, DST & UGC Projects

Department of Biotechnology and Microbiology



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by NAAC 2014**

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CERTIFICATE


Date:

This is to certify the dissertation of project work entitled **“Evaluation of Antioxidant properties of silk sericin on exposure to Ultra violet C”** submitted by Mr. Adarsh Hanamanth. Biradar (19S03001), Ms. Aishwarya S. Dharaneppagoudar (19S03002), Mr. Anup Harwadekar (19S03005), Ms. Aptekar Nutan Namdev (19S03006), Ms. Bagewadi Amruta H.(19S03007), Ms. Lata V Shantapurmath (19S03015), Ms. Priyadarshini Uppar (19S03024) for partial fulfillment of the Degree in Master of Science in Biotechnology is based on the results of experiments carried out by us at P.G. Department of Microbiology and Biotechnology, Karnataka University, Dharwad for the academic year 2020-2021. The dissertation or apart thereof has not been previously submitted for award of any other degree or diploma either in this or any other University.

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