







The Chairman

Department of Studies in Microbiology

Www.agangotri Campus,

Davangere University- 577002

Davangere, Karnataka, India.

### CERTIFICATE

This is to certify that the project report entitled "ANTIFUNALACTIVITY OF LACTIC ACID BACTERIA AGAINST FUNGAL TOXINS" submitted in partial fulfillment of the requirement for the award of degree of Master of Science in Microbiology to the Davangere University is the record of original work carried out by Mr. ABHIJITH JIGALI under the supervision and the guidance of SOWMYA K L during the academic year of 2020-2021.

Date: 25710/2021

Place: Davangere University

(Chairman)
CHAIRMAN,
Department of Microbiology
Davangere University
phivagangothri, Despagare-117 1772

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# UNIVERSITY

#### Chairman

Department of Studies in Microbiology

Bioscience block, Shivagangotri Campus,

Davangere University- 577002

Davangere.

### CERTIFICATE

This is to certify that the project report entitled "Taxol; an anti-cancer Drug." submitted in partial fulfillment of the requirement for the award of degree of Master of Science in Microbiology to the Davangere University, is the record of original work carried out by Anusha B under the supervision and the guidance of Dr. Vinay Kumar P G during the academic year of 2019-2021.

Date: 25/10/2/

Place: Shivagangotri.

(Chairman)

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### DEPARTMENT OF MICROBIOLOGY

Shivagangothri, Davangere-577007

### CERTIFICATE

This is to certify that Ms. ANUSHA DEENANATH. P. is a bonafide student of the Department of studies in Microbiology during the academic year 2019- 20. The dissertation entitle "APPLICATIONS OF NANOTECHNOLOGY IN DRUG DELIVERY AND DESIGN" has been carried out by his in partial fulfilment of the

DESIGN" has been carried out by his in partial fulfilment of the requirements for the award of the Degree of Master of Science in Microbiology of Davangere University, under the guidance of SOUMYA. K. L, Department of Microbiology, Shivagangothri, Davangere.

Date: 25/10/21

PLACE: DAVANGERE

Prof. RAMALINGAPPA

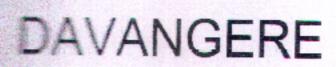
CAHIRMAN

Davengers University Shivegongothri, Davengers 5/7











The Chairman

Desartment of Studies in Microbiology

Managangotri Campus,

Desargere University- 577002

Charactere, Karnataka, India.

### CERTIFICATE

This is to certify that the project report entitled "Future and Prospective of CRISPR/Cas Technology" submitted in partial fulfilment of the requirement for the award of degree of Master of Science in Microbiology to the Davangere University is the record of original work carried out by B M Prashanth Kumar. under the supervision and the guidance of Prof. Ramalingappa. during the academic year of 2020-2021.

Date: 25/10/2021

Place: Davangere University

(Chairman)











The Chairman

Studies in Microbiology

She again gotri Campus,

Dave gere University- 577002

Charangere, Karnataka, India.

# CERTIFICATE

certify that the project report entitled "WEISSELLA: AN BENEFICIAL BACTERIA WITH HEALTH

Master of Science in Microbiology to the Davangere University is the record work carried out by Mrs. BHARGAVI G M under the supervision and the Prof. GAYATHRI DEVARAJA during the academic year of 2020-2021.

25/19/2021

Managere University

(Chairman)

CIABASAW.

Department of Matricipling
Davangers University or

STORE OF



The Chairman

Department of Studies in Microbiology

agangotri Campus,

Davangere University- 577002

Davangere, Karnataka, India.

### CERTIFICATE

This is to certify that the project report entitled "MOLECULAR CHARACTERIZATION AND BIOCHEMICAL TEST OF LISTERIA MONOCYTOGENES FROM FOOD PRODUCTS" submitted in partial fulfillment of the requirement for the award of degree of Master of Science in Microbiology to the Davangere University is the record of original work carried out by Ms. BHUVANASHREE A under the supervision and the guidance of Dr. VIRUPAKSHIAIAH DBM during the academic year of 2020-2021.

Date: 25/10/2021

Mace: Davangere University

(Chairman)









#### The Chairman

Department of Studies in Microbiology

Shivagangotri Campus,

Davangere University- 577002

Davangere, Karnataka, India.

### CERTIFICATE

This is to certify that the project report entitled "Production of Various Bioactive Molecules from Actinomycetes" submitted in partial fulfilment of the requirement for the award of degree of Master of Science in Microbiology to the Davangere University is the record of original work carried out by Kartikkumar Hegde under the supervision and the guidance of Dr. Shivaveerakumar S. during the academic year of 2020-2021.

Date:25/10/2021

Place: Davangere University

(Chairman)

CHARBINAN Department of Into-oxiology

Davanger Shrivershy
Sulvagangshiri. Shvanger 577 0.

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The Chairman

Department of Studies in Microbiology

Shivagangotri Campus,

Davangere University- 577002

Davangere, Karnataka, India.

# CERTIFICATE

This is to certify that the project report entitled "ISOLATION AND IDNTIFICTION OF LISTERIA MONOCYTOGENES FROM DAIRY PRODUCTS" submitted in partial fulfillment of the requirement for the award of degree of Master of Science in Microbiology to the Davangere University is the record of original work carried out by Ms. Kavya H M under the supervision and the guidance of Dr. VIRUPAKSHIAIAH DBM during the academic year of 2020-2021.

Date: 25/10/2021

Place: Davangere University

(Chairman)

Department di 1841 militari Davingon il serista Sivangoni

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The Chairman

Department of Studies in Microbiology

Shivagangotri Campus,

Davangere University- 577002

Davangere, Karnataka, India.

### CERTIFICATE

This is to certify that the project report entitled "MICROBIAL BIODEGRADATION OF PESTICIDES PRESENT IN SOIL" submitted in partial fulfillment of the requirement for the award of degree of Master of Science in Microbiology to the Davangere University is the record of original work carried out by KIRAN K S. under the supervision and the guidance of Prof. Ramalingappa. during the academic year of 2020-2021.

Date: 25/10/2021

Place: Davangere University

(Chairman)







The Chairman

Repartment of Studies in Microbiology

Salvagangotri Campus,

Devangere University- 577007

Davangere, Karnataka, India.

### CERTIFICATE

This is to certify that the project report entitled "DIVERSITY OF NISIN PRODUCING LACTIC ACID BACTERIA FROM FERMENTED FOODS" submitted in partial fulfillment of the requirement for the award of degree of Master of Science in Microbiology to the Davangere University is the record of original work carried out by Ms. KOTI. M under the supervision and the guidance of Dr. Gayathri Devaraja during the academic year of 2020-2021.

Date: 25/10/2021

Mace: Davangere University

(CHAIRMAN).

Department of Micsobiology Davangere University Shivagangothic Davineses 572 cer







### DEPARTMENT OF MICROBIOLOGY

Shivagangothri, Davangere-577002

Dr. Ramalingappa

Chairman.

### CERTIFICATE

This is to certify that Mallikarjuna T R is a bonafide student of the Department of studies in Microbiology during the academic year 2021 The dissertation entitled "PACKAGING AND PRESERVATION OF FOOD PRODUCTS" has been carried out by her in partial fulfilment of the requirements for the award of the Degree of Master of Science in Microbiology of Davangere University, under the guidance of Dr. Vinay Kumar P G. Department of Microbiology, Shivagangothri, Davangere.

Date: 25. 10.2021

Place: Davangere

- Chairman

Dr. Ramalingappa.









The Chairman

Separtment of Studies in Microbiology

agangotri Campus,

Sarangere University- 577002

mangere, Karnataka, India.

### CERTIFICATE

This is to certify that the project report entitled "Isolation of Actinomycetes for me Production of Pigments and Enzymes" submitted in partial fulfilment of the requirement for the award of degree of Master of Science in Microbiology to the Davangere niversity is the record of original work carried out by Maruthi N.M. under the supervision and the guidance of Dr. Shivaveerakumar S. during the academic year of 2020-2021.

Date: 25/10/2021

Place: Davangere University

(Chairman)

Department of Patra Devengere linivari Shlvegangaini, Davanger C











# UNIVERSITY

The Chairman

Department of Studies in Microbiology

Shivagangotri Campus,

Davangere University- 577002

Davangere, Karnataka, India.

### CERTIFICATE

This is to certify that the project report entitled "BIODEGRADTION OF POLYCHLORINATED BIPHENYLS" submitted in partial fulfillment of the requirement for the award of degree of Master of Science in Microbiology to the DavangereUniversity is the record of original work carried out by Mr. RAKESH B M under the supervision and the guidance of SOWMYA K L during the academic year of 2020-2021.

Date:25/10/2021

Place: Davangere University

(Chairman

Describer of Microbiology Clayangere University Simagapaneri, Davataore 177 002









#### DEPARTMENT OF MICROBIOLOGY

Shivagangothri, Davangere-577002

Dr. Ramalingappa

Chairman,

### CERTIFICATE

This is to certify that Mr.RAVI T.H. is a bonafide student of the Department of studies in Microbiology during the academic year 2020-21. The dissertation entitled "COVID-19 VACCINES" has been carried out by his in partial fulfilment of the requirements for the award of the Degree of Master of Science in Microbiology of Davangere University, under the guidance of Dr.VINAY KUMAR P.G Department of Microbiology, Shivagangothri, Davangere.

Date: 25/10/21

Place: Davangere

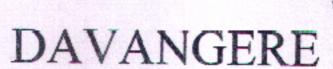
Chairman

Dr. Ramalingappa.











#### The Chairman

Department of Studies in Microbiology

Shivagangotri Campus,

Davangere University- 577002

Davangere, Kamataka, India.

### CERTIFICATE

This is to certify that the project report entitled Contamination of Food, case study on spoilage of Milk and Dairy products submitted in partial fulfillment of the requirement for the award of degree of Master of Science in Microbiology to the Davangere University is the record of original work carried out by Mr.Sachin kulkarni under the supervision and the guidance of Dr. Shivaveerakumar S during the academic year of 2020-2021.

Date: 25/10/2021

Place: Davangere University

(Chairman)

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### UNIVERSITY

DEPARTMENT OF STUDIES IN MICROBIOLOGY SHIVAGANGOTRI DAVANGERE-577002, KARNATAKA

### CERTIFICATE

This is to crtify that Ms. Shweta Hosamani is a bonafide student of the Department of Microbiology during the academic year 2020-21. The dissertation entitled "THERAPEUTIC ENZYMES", has been prepared by her in partial fulfillment of the requirements for the award of the degree of Master of Science, under the guidance of Dr. vinay kumar, Department of studies in Microbiology, Davangere University, Shivagangothri, Davangere.

Date: 25.10.2021

Place: Davangere

Dr. Ramalingappa

Department of University
Davangere University
Shivagenera, Davangere-571 con



# UNIVERSITY

### Chairman

Department of Studies in Microbiology

Bioscience block, Shivagangotri Campus,

Davangere University- 577002

Davangere.

Karnataka, India.

## CERTIFICATE

This is to certify that the dissertation report entitled "Isolation and Characterization of Listeria Monocytogenes Phages.", submitted in partial fulfillment of the requirement for the award of degree of Master of Science in Microbiology to the Davangere University, is the record of original work carried out by Siddartha G S under the supervision and the guidance of Dr. Virupakshaiah D B M during the academic year of 2019-2021.

Date: 25 10 2021

Place: Shivagangotri.

Department of Mucrob Hogs Davangere University Shivenegothri, Davangere-Syr orn









The Chairman

Department of Studies in Microbiology

Shivagangotri Campus,

Davangere University- 577002

Davangere, Karnataka, India.

### CERTIFICATE

This is to certify that the project report entitled "ISOLATION AND IDENTIFICATION OF PSEUDOMONAS IN DAIRY PRODUCTS" submitted in partial fulfillment of the requirement for the award of degree of Master of Science in Microbiology to the Davangere University is the record of original work carried out by Ms. SNEHA RAMESH SHETTY under the supervision and the guidance of Dr. VIRUPAKSHAIAH D B M during the academic year of 2020-2021.

Date: 25/10/2021

Place: Davangere University

(Chairman)

Davangeno Jeneversky Shivagangetini Davangere 577 (c)2











The Chairman

Department of Studies in Microbiology

Shwagangotri Campus,

Davangere University- 577002

Davangere, Karnataka, India.

### CERTIFICATE

This is to certify that the project report entitled LARGE SCALE PRODUCTION BIOFERTILIZER BY PGPR submitted in partial fulfillment of the requirement for the award of degree of Master of Science in Microbiology to the Davangere University is the record of original work carried out by Ms. SUMANA H M under the supervision and the guidance of Prof. RAMALINGAPPA during the academic year of 2020-2021.

Date: 25/10/2021

Place: Davangere University

Chairman)
CHAIR MAN
Department of Microbiology
Devangere University
Shivagangothri, Davangere-377 om











The Chairman

Department of Studies in Microbiology

Shivagangotri Campus,

Davangere University- 577002

Davangere, Karnataka, India.

## CERTIFICATE

This is to certify that the project report entitled "Biology of Actinomycetes" submitted in partial fulfilment of the requirement for the award of degree of Master of Science in Microbiology to the Davangere University is the record of original work carried out by Swapna P. under the supervision and the guidance of Dr. Shivaveerakumar S. during the academic year of 2020-2021.

Date: 25/10/2021

Place: Davangere University

Department Microbiology Davangere University Shivagangothri, Davangere-577 002





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# UNIVERSITY

#### The Chairman

Department of Studies in Microbiology

Shivagangotri Campus,

Davangere University- 577002

Davangere, Karnataka, India.

### CERTIFICATE

This is to certify that the project report entitled "Diversity of Actinomycetes and Antibiotics Discovery" submitted in partial fulfilment of the requirement for the award of degree of Master of Science in Microbiology to the Davangere University is the record of original work carried out by Thejaswini G. under the supervision and the guidance of Dr. Shivaveerakumar S. during the academic year of 2020-2021.

Date: 25/10/2021

Place: Davangere University

Developer Curversity







### DEPARTMENT OF MICROBIOLOGY

Shivagangothri, Davangere-577002

Dr. Ramalingappa

Chairman,

### CERTIFICATE

This is to certify that Mrs VINEETHA.N is a bonafide student of the Department of studies in Microbiology during the academic year 2021 The dissertation entitled BACTERIOPHAGES TO CONTOL LISTERIA MONOCYTOGENS" has been carried out by her in partial fulfilment of the requirements for the award of the Degree of Master of Science in Microbiology of Davangere University, under the guidance of Dr. Ramalingappa. Professor, Department of Microbiology, Shivagangothri, Davangere.

Date: 25 10 2021

Place: Davangere

Chairman

Dr. Ramalingappa.

Department of Victobiology







# UNIVERSITY

The Chairman

Department of Studies in Microbiology

Shivagangotri Campus,

Davangere University- 577002

Davangere, Karnataka, India.

## CERTIFICATE

This is to certify that the project report entitled "DEVELOPMENT OF DNA MICROARRY FOR RAPID DETECTION OF BACTERIAL PATHOGENS" submitted in partial fulfillment of the requirement for the award of degree of Master of Science in Microbiology to the Davangere University is the record of original work carried out by VINUTH C M. under the supervision and the guidance of Prof. Ramalingappa. during the academic year of 2020-2021.

Date: 25/10/2021

Place: Davangere University

(Chairman)

Decampore University 148 June 1. Davargero 577 002



