#### A PROJECT REPORT ON

# Isolation and characterization of novel mycobacteriophages and in vitro analysis of phage-derived recombinant lysinB

Submitted in Partial Fulfillment of the Requirements for the Award of the Degree of Master of Science

In

# Applied Microbiology and Biotechnology

of

# Banasthali Vidyapith



Submitted By

# Kanika Nadar

Under the Guidance of



Dr. Urmi Bajpai

Associate professor,

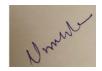
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2019



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## ACHARYA NARENDRA DEV COLLEGE

(UNIVERSITY OF DELHI) Govindpuri, New Delhi – 110 019

Dr. Urmi Bajpai Associate Professor, Deptt. of Biomedical Science

10.12.2020

#### **CERTIFICATE**

It is certified that the Dissertation Report entitled "Development of Bacteriophages and Derived Enzymes as Commercial Products" which is being submitted by Ms. Anchal Gupta in partial fulfilment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN BIOTECHNOLOGY of Banasthali Vidyapith (Deemed University) (National University for Women's Education) is a record of candidate's own work carried out by her under my supervision and guidance. The matter embodied in this report has not been submitted for award of any other degree.

M

Signature of Supervisor

Dr. Urrni Bajpai Associate Professor Department of Biomedical Science Acharya Narendra Dev College Govindpuri, Kalkaji Navi Delhi-110 019 Ph. No. 011-26412547



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Dr. Urmi Bajpai Associate Professor, Deptt. of Biomedical Science

10.12,2020

# **CERTIFICATE**

It is certified that the Dissertation Report entitled "Investigating receptor binding proteins in mycobacteriophages" which is being submitted by Megha Baghel in partial fulfilment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN BIOTECHNOLOGY of Banasthali Vidyapith (Deemed University) (National University for Women's Education) is a record of candidate's own work carried out by her under my supervision and guidance. The matter embodied in this report has not been submitted for award of any other degree.

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Signature of Supervisor

Dr. Urrni Bajpai Associate Professor Department of Biomedical Science Acharya Narendra Dev College Govindpuri, Kalkaji New Politi-100 010

## 2020-21

# **CERTIFICATE**

It is certified that the Dissertation Report entitled "Emerging Role of Mycobacteriophages in Tuberculosis" which is being submitted by Kriti Gupta in partial fulfilment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN BIOTECHNOLOGY of Banasthali Vidyapith (Deemed University) (National University for Women's Education) is a record of candidate's own work carried out by her under my supervision and guidance. The matter embodied in this report has not been submitted for award of any other degree.

Supervisor

Dr. Urmi Bajpai

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