

**Poultry Litter: A Reservoir of Multiple Antibiotic
Resistant Avian Pathogenic E. coli and Antibiotic
Resistant Genes**

Dissertation Submitted for

the Partial Fulfilment

for the Award of

Master of Science

in

Microbiology

by

Vishakha

21mslms21

Under the Supervision of

Dr. Somesh Baranwal



DEPARTMENT OF MICROBIOLOGY

SCHOOL OF BASIC SCIENCES

CENTRAL UNIVERSITY OF PUNJAB, BATHINDA

JUNE – 2023

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पंजाब, भारत / Punjab, India-151401

**Role of Nanoparticles Extracted from *Parthenium
hysterophorus* in Waste water Treatment**

Dissertation submitted for the Partial Fulfillment

For the award of

Master of Science

In

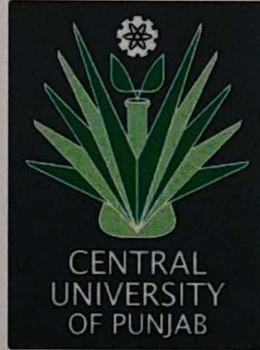
Microbiology

By

AMIT NIBHORIA

Under the Supervision of

Prof. (Dr.) Monisha Dhiman



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June, 2023 डा० सोमेश बरनवाल / Dr. Somesh Baranwal
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पंजाब, भारत / Punjab, India-151401

Role of Neutrophil Activating Protein (NAP) of *Helicobacter pylori* in Inducing Inflammation and Oxidative Stress in Gastric Epithelial Cell line (AGS) and Human Monocytic Cell line (THP-1).

Dissertation submitted to the Central University of Punjab

For the award of

Master of Science

in

Microbiology

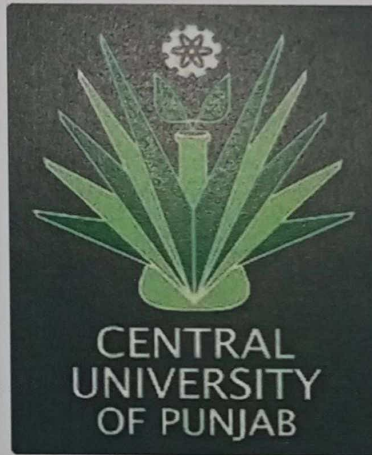
By

Anasua Dey (Reg. No.:21mslms08)

Ankit Das (Reg. No.:21mslms20)

Under the supervision of

Prof. (Dr.) Monisha Dhiman




Department of Microbiology

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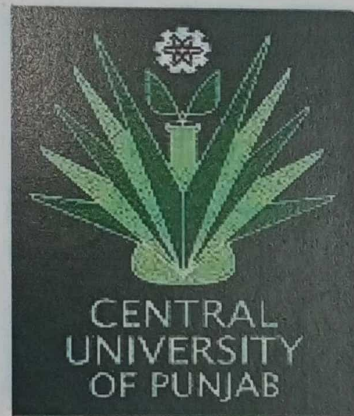
Green Synthesis of Zinc Nanoparticles from *Clitoria ternatea* Leaf and Evaluation of its Antimicrobial Activity

Dissertation Submitted for
the Partial Fulfilment
for the Award of
Master of Science
in
Microbiology
by

Dibya Rana Saha Roy
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DEPARTMENT OF MICROBIOLOGY
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JUNE – 2023

**ROLE OF COMMONLY USED HERBICIDES IN
INDUCING ANTI-BACTERIAL IMMUNITY IN
HUMAN MONOCYTIC MACROPHAGES**

Dissertation Submitted for

The Partial Fulfilment

For the Award of Master of Science

In

Microbiology

By

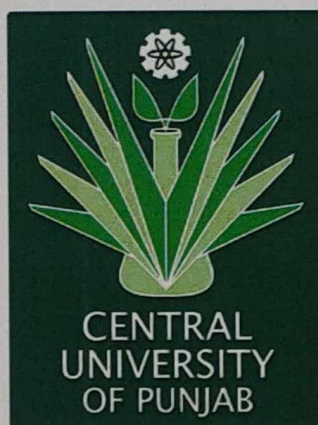
Harshdeep Josan (21mslsm32)

Gunjan Nehra (21mslsm31)

Prachi Sinha (21mslsm30)

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पंजाब, भारत / Punjab, India-151401

**A Community-Based Survey to Assess the Post
Vaccination Effect of COVID-19 Vaccination and
Vaccine Hesitancy in Rural and Urban Population**

**Dissertation Submitted for
the Partial Fulfilment
for the Award of
Masters of science
Microbiology**

By

Himani

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


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पंजाब, भारत / Punjab, India-151401

**Impact of Sub-Lethal Chromium Exposure on Antibiotic
Susceptibility of Chromium-Resistant Bacteria Isolated from
Municipal Wastewater**

Dissertation Submitted for

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पंजाब, भारत / Punjab, India-151401

**Assessing the Innate Immune Response in the Presence
of Benzo(a)pyrene Induced by *Klebsiella pneumoniae***

**Dissertation Submitted for
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for the Award of
Master of Science**

**in
Microbiology**

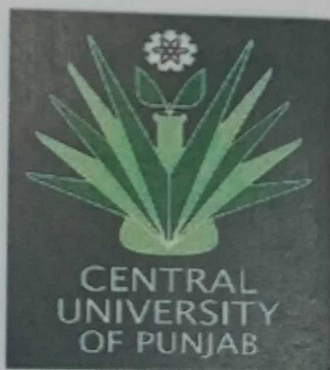
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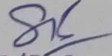


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पंजाब, भारत / Punjab, India-151401

**Isolation and characterization of *Salmonella*
enterica phage from poultry samples**

**Dissertation Submitted for
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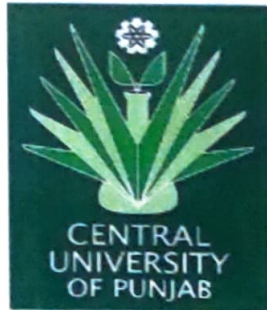
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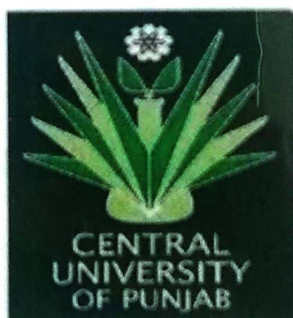
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Poultry Farms: A Reservoir of Antimicrobial Resistant *Shigella* species

**Dissertation Submitted for
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Microbiology
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Rashmi Deora & Subodha Padhan
Regd. No. 21mslms12 & 21mslms14**

**Under the Supervision of
Dr Somesh Baranwal**

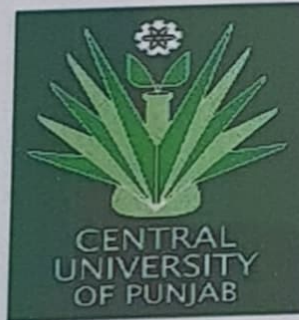


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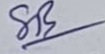

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**EVALUATING THE USE OF GREEN SILVER
NANOPARTICLES SYNTHESIZED FROM
CALOTROPIS GIGANTEA FOR THE
TREATMENT OF WASTE WATER**

**Dissertation Submitted for
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Raveena Verma
Regd. No. 21mslms18
Under the Supervision of
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पंजाब, भारत / Punjab, India-151401

**Isolation and Characterisation of Lytic
Bacteriophages Infecting Enteroinvasive
Escherichia coli O135 from Poultry Faecal
Samples**

Dissertation Submitted for

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in

Microbiology

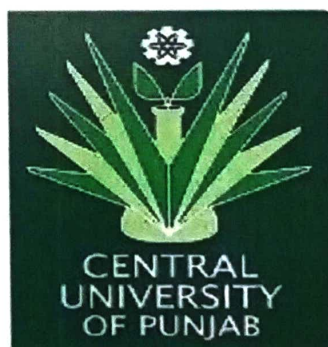
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पंजाब, भारत / Punjab, India-151401

**A COMPARATIVE STUDY OF GREEN NANOPARTICLES SYNTHESIZED FROM
Viola pilosa AND *Glycyrrhiza glabra* PLANT EXTRACTS FOR THEIR
CYTOTOXIC EFFECTS**

Dissertation Submitted for
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Sakshi Bhat (21mslms22)

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पंजाब, भारत / Punjab, India-151401

**A Study On The Innate Immune Response Of *Galleria mellonella*
Infected With *Shigella flexneri* 24570**

Dissertation Submitted for
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Microbiology

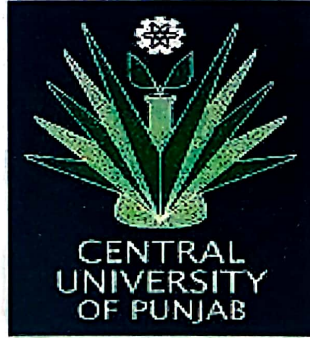
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**Sub-lethal concentration of lead induces antibiotic
resistance among lead-resistant bacteria in
Community Wastewater, Bathinda**

Summary of Dissertation

Submitted for

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in

Microbiology

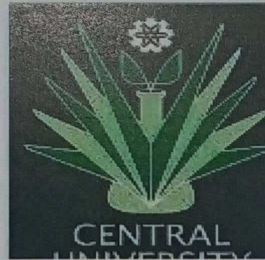
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पंजाब, भारत / Punjab, India-151401

**ISOLATION, IDENTIFICATION, AND CHARACTERIZATION OF
ANTIBIOTIC RESISTANT NON-TYPHOIDAL SALMONELLA
SPECIES IN POULTRY SECTOR OF INDIA.**

Dissertation Submitted for

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Microbiology

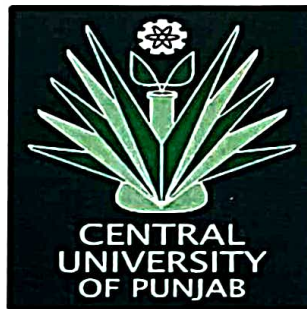
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Shreevar and Mansi goswami

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पंजाब, भारत / Punjab, India-151401

**EXTRACTION OF BIOACTIVE COMPOUNDS
FROM DIFFERENT PLANT SOURCES FOR
APPLICATION IN FOOD PACKAGING**

Dissertation Submitted for

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Master of Science

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Microbiology

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Sonali Dubey

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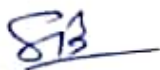


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पंजाब, भारत / Punjab, India-151401



**Assessing the effect of Benzo(a)pyrene on the innate immunity in
response to *Pseudomonas aeruginosa* infection**

Project submitted to the Central University of Punjab

For the award of

Master in Science

In

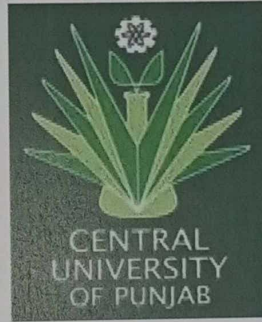
Microbiology

By

Ruchika Verma

Supervisor

Dr. Pramod Kumar Kushawaha

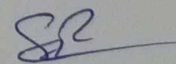


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