

A  
Project Report  
On

“Diabetes & the relation Between e. Coli & D.M Patients”



Department of Microbiology  
Janta Vedic College, Baraut

Supervisor-  
Dr. Reena Panwar  
Asstt. Professor  
J.V. College. Baraut

Submitted by-  
Name- Tanu Sharma  
Roll NO- 220867254009  
Enroll. No- M18294481



**Chaudhary Charan Singh University,  
Meerut  
2023**

**Department Of Microbiology**  
Janta Vedic College  
Baraut 250611  
Distt. Baghpat, U.P India



**Dr. Reena Panwar**  
M.Sc. (Microbiology), Ph.D.  
Assistance Professor

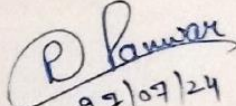
### CERTIFICATE

This is to certify that entitled "Study of seroconversion status and clinical outcomes in animal bite victims after Rabies postexposure prophylaxis" submitted in the fulfillment for the award of the degree of M.Sc Microbiology in Department of Microbiology, J.V College, Baraut -250611(UP) is an original record of bonafide research work carried out by Somya Saifi under my supervision and to any other part of thesis has been submitted for any other degree or diploma to any other institute of university.

Somya Saifi worked here from 5<sup>th</sup> February to 30 June, 2024.

I wish her all the success in future endeavors.

Dated 27/07/24  
Place J.V.C.

  
27/07/24  
Dr. Reena Panwar  
(Internal supervisor)

A  
Project Report

On

Study of seroconversion status and clinical outcomes in animal bite victims after Rabies postexposure prophylaxis



Supervisor: -

Internal: Dr. Reena Panwar

External: Dr. Monil Singhai  
J.D (CAZD)

Submitted By

Name: Somya Saifi

Roll No: 220867254008  
Enroll No: M22452003



Chaudhary Charan Singh University  
Meerut (2024)



National Centre for Disease  
Control, New Delhi





# गणेश वैज्ञानिक अनुसन्धान संस्थापन

(भारत सरकार के साथ तेल आयुक्त एवं दिल्ली सरकार के खाद्य मंत्रालय द्वारा अनुमोदित)  
**GANESH SCIENTIFIC RESEARCH FOUNDATION**  
(Approved Competent Laboratory by Government of India and Delhi Govt.)



Date: 02/07/2024

## CERTIFICATE

This is to certify that **Mr. Shanawaj Khan** has successfully completed his six month dissertation under my guidance on research project “**Identification and Isolation of characterization of Lactobacillus Strains from Fermented Food Product**” at **Ganesh Scientific Research Foundation, Kirti Nagar, New Delhi**, from **1<sup>st</sup> January 2024 to 30<sup>th</sup> June 2024** for the partial fulfillment of requirements for the award of Master of Science in Microbiology.

He is a keen Learner and hard -working student. I wish good luck for his future endeavors.



Authorised Signatory

Dr. Reetesh Kumar Vishwakarma  
Chairman

Supervisor

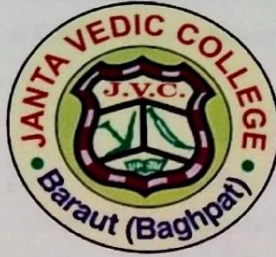
Dr. Abhishek Singh  
Scientist R&D

Office : 64-65, Satguru Ram Singh ji Marg, Kirti Nagar Industrial Area, New Delhi-110 015  
Mobile : 9268933883, Ph. : (0) 011-25102814, 25195045  
E-mail : info@gsrf.co.in, gsrfdelhi@gmail.com | Website : www.gsrf.co.in

A  
Project Report

On

Identification, Isolation of Characterization of *Lactobacillus*  
Strains From Fermented Food Products



Supervisor: -

Internal: Dr. Varun Tomar

Asst. Professor

External: Dr Abhishek Singh

Submitted By

Name: Shanawaj Khan

Roll no. 220867254007



Chaudhary Charan Singh University  
Meerut



Ganesh Scientific Research  
Foundation Kirti Nagar, Delhi

Dr. Reena Panwar  
M.Sc. (Microbiology), Ph.D.



Assistant Professor  
Deptt. Of Microbiology  
Janta Vedic College  
Baraut -250611  
Distt. -Baghpat U.P.India

Dated:-27/07/24

CERTIFICATE

This is to certify that entitled "Optimization and Standardization of Lactobacillus sakei" submitted in the fulfillment for the award of the degree of M.Sc. Microbiology in Department of Microbiology, J.V. College, Baraut – 250611 (U.P) is an original record of bonafide research work carried out by Riya Nain under my supervision and no part of the thesis has been submitted for any other degree and diploma to any other institute or university. Riya Nain worked here from January to June.

I wish her all the success in future endeavors.

Dated: 27/07/24

Place: Baraut

Dr. Reena Panwar

(Supervisor)



**Project Report**  
**On**  
**Optimization and standardization of lactobacillus Sakei**



Supervisor:-  
Dr. Reena Panwar

Submitted By:-  
Name: Riya Nain  
Roll No. 220867254006  
Enroll. No: M18278186



**Chaudhary Charan Singh University**  
**Meerut**  
**(2024)**



# गणेश वैज्ञानिक अनुसन्धान संस्थापन

(भारत सरकार के साथ तेल आयुक्त एवं दिल्ली सरकार के खाद्य मंत्रालय द्वारा अनुमोदित)

## GANESH SCIENTIFIC RESEARCH FOUNDATION

(Approved Competent Laboratory by Government of India and Delhi Govt.)



Date: 02/07/2024

### CERTIFICATE

This is to certify that **Mr. Ojasvi Khokhar** has successfully completed his six month dissertation under my guidance on research project "**Screening of Antibiotic Resistance in Microbial Community of Yamuna water**" at **Ganesh Scientific Research Foundation, Kirti Nagar, New Delhi**, from **1<sup>st</sup> January 2024** to **30<sup>th</sup> June 2024** for the partial fulfillment of requirements for the award of **Master of Science in Microbiology**.

He is a keen Learner and hard-working student. I wish good luck for his future endeavors.



Authorised Signatory

*R. Kumar*  
Dr. Reetesh Kumar Vishwakarma  
Chairman

Supervisor

*Dr. Abhishek Singh*  
Dr. Abhishek Singh  
Scientist R&D

Office : 64-65, Satguru Ram Singh ji Marg, Kirti Nagar Industrial Area, New Delhi-110 015

Mobile : 9268933883, Ph. : (0) 011-25102814, 25195045

E-mail : info@gsrf.co.in, gsrfdelhi@gmail.com | Website : www.gsrf.co.in



**Dr. Varun Tomar**  
M.Sc. (Micro) Ph.D.



01234-282130(O)  
Assistant Professor  
Deptt of microbiology  
Janta Vedic College  
Baraut-250611  
Distt-Baghpat

**Dated:**

### **CERTIFICATE**

This is to Certified that Entitled “**Screening of Antibiotic resistance in microbial community of Yamuna water**” submitted in the fulfilment for the award of the degree of **M.Sc. Microbiology** in the department of microbiology J.V College , Baraut -250611 ( U.P) is an original record of bonafide research work carried out by Mr Ojasvi Khokhar under my supervision and no part of this thesis has been submitted for any other degree or diploma to any other institute or university Mr Ojasvi Khokhar worked here from January to June 2024  
I wish him all the success in future endeavours.

**Date:**

**Place:**

**(Dr. Varun Tomar)**  
**Supervisor**

A  
Project report  
on  
“SCREENING OF ANTIBIOTIC RESISTANCE IN  
MICROBIAL COMMUNITY OF YAMUNA WATER”



Supervisor:

Internal: Dr. Varun Tomar

External: Dr. Abhishek Singh

Submitted by:

Name: Ojasvi Khokhar

Roll no:220867254005



Chaudhary Charan Singh University  
Meerut



Ganesh scientific research foundation  
Kirti Nagar, New Delhi, 110025



# गणेश वैज्ञानिक अनुसन्धान संस्थापन

(भारत सरकार के साथ तेल आयुक्त एवं दिल्ली सरकार के साथ मंत्रालय द्वारा अनुमोदित)

## GANESH SCIENTIFIC RESEARCH FOUNDATION

(Approved Competent Laboratory by Government of India and Delhi Govt.)




Date: 23/07/2024

### CERTIFICATE

This is to certify that **Ms. Pallavi Pal** has successfully completed her six month dissertation under my guidance on research project "**Bacterial Contamination in Water: A Comparative Study of Its Impact on Community Health**" at Ganesh Scientific Research Foundation, Kirti Nagar, New Delhi, from 1<sup>st</sup> January 2024 to 30<sup>th</sup> June 2024 for the partial fulfillment of the requirements for the award of the degree of Master of Science in Microbiology.

She is a keen Learner and hard -working student. I wish good luck for her future endeavors.

  
Authorized Signatory  
Dr. Reetu Yadav  
Chairman

*R. Kumar*

*Reetu Yadav*  
Supervisor  
Dr. Reetu yadav  
Scientist R&D

Office : 64-65, Satguru Ram Singh ji Marg, Kirti Nagar Industrial Area, New Delhi-110 015

Mobile : 9268933883, Ph. : (0) 011-25102814, 25195045

E-mail : info@gsrf.co.in, gsrfdelhi@gmail.com | Website : www.gsrf.co.in



**Project Report**  
**On**  
**Bacterial Contamination in Water: A Comparative Study**  
**of Its Impact on Community Health**



**Supervisor :-**

Internal: Dr. Reena Panwar

External: Dr. Reetu Yadav

**Submitted By :-**

Name: Pallavi Pal

Roll no 220867254004



Chaudhary Charan Singh University  
Meerut



Ganesh Scientific Research foundation  
Kirti Nagar

डॉ. अमित कुमार  
विज्ञानिक 'एफ'  
Dr. Amit Kumar  
Scientist 'F'



सत्यमेव जयते

क्रमांक/No. INM/CCM/AT/24/10  
भारत सरकार, रक्षा मंत्रालय  
Government of India, Ministry of Defence  
रक्षा अनुसंधान तथा विकास संगठन  
Defence Research & Development Organisation  
नाभिकीय औषधि तथा सम्बंध विज्ञान संस्थान  
Institute of Nuclear Medicine & Allied Sciences  
डिप्टी एस के मजुमदार मार्ग, दिल्ली - 110 054  
Brig S. K. Mazumdar Marg, Delhi - 110 054  
दिनांक/DATE 23/07/24

### CERTIFICATE

This is to certify that **Ms. Charu Dixit** has successfully completed the project report entitled **Synthesis and in-vitro evaluation of Biopolymeric Formulation**. Ms. Charu Dixit, M.Sc. Microbiology student of Janta Vedic College, Baraut Baghat, Uttar Pradesh underwent training under the supervision of undersigned from **4th April 24 to 23 July 24**. During this period, she learnt characterization techniques like FTIR, SEM, DSC, TGA and performed synthesis of Biopolymeric Formulation .

Ms. Charu Dixit is a keen and hardworking student, I wish her bright success for the future endeavors.

*Amit Kumar*  
23/07/24

Dr. AMIT KUMAR, Scientist 'F'  
Institute of Nuclear Medicine & Allied Sciences (INMAS)  
Brig S. K. Mazumdar Marg, Delhi, Ministry of Defence  
पिन कोड - 110 054



Dr. Mahesh Kumar  
(Microbiology), Ph.D



Assistant Professor  
Deptt. of Microbiology  
Janta Vedic College  
Baraut-250611  
Distt. Baghpat(U.P.)

Dated: 27/07/2024

### CERTIFICATE

It is to certify that entitled "Synthesis and in-vitro evaluation of Biopolymeric Formulation" submitted in the Department for the award of the degree of M.Sc. Microbiology in Department of Microbiology, J.V. College, Baraut (Baghpat) 250611 is an original record of bonafide research work carried out by Charu Dixit under my supervision. No part of this thesis has been submitted for any other degree and diploma to any other institute or university. Charu Dixit worked here from January 2024 to June 2024.

I wish her all the success in future endeavors.

Dr. Mahesh Kumar  
(Internal supervisor)

27/07/2024  
Baraut



**Project Report**  
on  
**Synthesis and In-vitro evaluation of Biopolymeric Formulation**



**Supervisor:**

**Internal: Dr. Mahesh Kumar**

**External: Dr. Amit Tyagi**

**Submitted By:-**

**Name : Charu Dixit**

**Roll no:220867254003**

**Enroll. No: 18278493**



**Defence Research and Development  
Organisation**



**Chaudhary Charan Singh University  
Meerut  
(2024)**

Mahesh Kumar  
c.(Microbiology), Ph.D



Assistant Professor  
Deptt.of Microbiology  
Janta Vedic College  
Baraut-250611  
Distt. Baghpat(U.P.)

Dated: 27/07/24

### CERTIFICATE

It is to certify that entitled "Formulation and In-vitro evaluation of Biopolymeric hydrogel" submitted in the fulfillment for the award of the degree of M.Sc. Microbiology in Department of Microbiology, J.V. College, Baraut (Baghpat) 250611 is an original record of bonafide research work carried out by Akshma Tyagi under my supervision and no part of this thesis has been submitted for any other degree and diploma to any other institute or university.

Akshma Tyagi worked here from January 2024 to June 2024.

I wish her all the success in future endeavors.

**Dr. Mahesh Kumar**  
(Internal supervisor)

Date: 27/07/24  
at: Baraut



डॉ. अमित कुमार  
शास्त्रिक 'एफ'  
Dr. Amit Kumar  
Scientist 'F'



सत्यमेव जयते

क्रमांक/No. JNM/CCM/AT/24/11  
भारत सरकार, रक्षा मंत्रालय  
Government of India, Ministry of Defence  
रक्षा अनुसंधान तथा विकास संगठन  
Defence Research & Development Organisation  
नाभिकीय औषधि तथा सम्बद्ध विज्ञान संस्थान  
Institute of Nuclear Medicine & Allied Sciences  
ब्रिगे. एस. के. मजुमदार मार्ग, दिल्ली - 110 054  
Brig. S. K. Mazumdar Marg, Delhi - 110 054

दिनांक/DATE 23/07/24

### CERTIFICATE

This is to certify that Ms. Akshma Tyagi has successfully completed the project report entitled **Formulation and in-vitro evaluation of Biopolymeric hydrogel**. Ms. Akshma Tyagi, M.Sc. Microbiology student of Janta Vedic College, Baraut Baghpat, Uttar Pradesh underwent training under the supervision of undersigned from 4th April 24 to 23 July 24. During this period, she learnt characterization techniques like FTIR, FE-SEM, DSC, TGA and performed synthesis of Biopolymeric Formulation.

Ms. Akshma Tyagi is a keen and hardworking student, I wish her bright success for the future endeavors.

*Amit Kumar*  
डॉ. अमित 23/07/24  
Dr. AMIT KUMAR, Scientist 'F'  
नाभिकीय औषधि एवं सम्बद्ध विज्ञान संस्थान (रक्षा अनुसंधान एवं विकास संगठन)  
Institute of Nuclear Medicine & Allied Sciences (DRDO)  
भारत सरकार, रक्षा मंत्रालय Govt. of India, Ministry of Defence  
ब्रिगे. एस. के. मजुमदार मार्ग, नई दिल्ली-110054 S.K. Mazumdar Marg, Delhi-110054



**Project Report**  
**on**  
**Formulation and in-vitro evaluation of Biopolymeric hydrogel**



**Supervisor:**

**Internal: Dr. Mahesh Kumar**

**External: Dr. Amit Tyagi**

**Submitted By:-**

**Name : Akshma Tyagi**

**Roll no:220867254002**

**Enroll. No: 19295966**



**Defence Research and Development  
Organisation**



**Chaudhary Charan Singh University  
Meerut  
(2024)**

**Dr. Mahesh Kumar**  
**M.Sc ( Microbiology), Ph.D**



**Assistant professor**  
**Deptt. Of Microbiology**  
**Janta Vedic College**  
**Baraut : 250611**  
**Distt. Baghpat,U.P , India**

Dated: 27/07/2024

### CERTIFICATE

This is to certify that entitled "Assessment of to determined the prevalence and antibiogram pattern of different bacteria found in meat sample" submitted in the fulfillment for the award of the degree of **M.Sc . Microbiology** in Department of Microbiology, J.V. College, Baraut – 250611 ( U.P) is an original record of research work carried out by **Aarju Tomar** under my supervision and no part of this thesis has been submitted for any other degree and diploma to any other institute or university. **Aarju tomar** worked here from January to june .

I wish her all the success in future endeavours.

Dated : 27/07/2024

Place : Baraut

**Dr. Mahesh Kumar**  
**( Supervisor)**

Project Report

On

**Assessment of "To Determined the prevalence and Antibiogram  
Pattern of different bacteria found in meat sample".**



**Supervisor:-**

**Dr. Mahesh Kumar**

Asst. professor

J.V College, Baraut

**Submitted By:-**

**Name:- Aarju Tomar**

**Roll No:- 22086754001**

**Enroll. No.- M22451996**



**Chaudhary Charan Singh University, Meerut 2024**



Reena Panwar  
c. (Micro) Ph.D.



01234-282130(0)  
Assistant Professor  
Dept. of Microbiology  
Janta Vedic College  
Distt- Baghpat (U.P),  
India

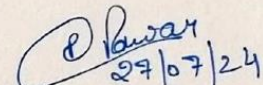
Dated 27/07/24

**CERTIFICATE**

This is to certify that entitled "Diabetes & the relation Between e. coli & D.M Patients" submitted in the fulfillment for the award of the degree of M.Sc. Microbiology in Department of Microbiology, J.V. College, Baraut- 250611 (U.P) is an original record of bonafide research work carried out by **Tanu Sharma** Under my Supervision and no part of this thesis has been submitted for any other degree or diploma to any other institute of university. **Tanu Sharma** worked here from January 2024 to June 2024.

I wish her all the success in future endeavors.

Date: 27/07/24  
Place: Baraut

  
27/07/24  
(Dr. Reena Panwar)  
Supervisor