

## ACADEMIC SESSION 2023

## NAME OF THE INSTITUTE-UIS

## DEPARTMENT -LIFE SCIENCES, ALLIED HEALTH SCIENCES &amp; AGRICULTURE SCIENCES

## M.Sc (Hons) Medical Microbiology

S.No	Program Code	Programme name	Registration number	Name of the students	Field projects / Research projects / Internships	Title	Place
1	PG032	M.Sc MMB(Medical Microbiology)	21132003	Md. Dilawaz Shalimwaz	6 Month	"Role of LFA3 in Visceral Leishmaniasis"	RMRIMS
2	PG032	M.Sc MMB(Medical Microbiology)	21132005	Savita Devi	6 Month	"IDENTIFICATION AND ISOLATION OF HUMAN PATHOGENIC MICROBES AND EVALUATION OF BIOACTIVE PHYTOCHEMICALS FROM <i>Hydrocotyle ranunculoides</i> "	SolRes Lab
3	PG032	M.Sc MMB(Medical Microbiology)	21132007	Reetika	6 Month	"ISOLATION AND CHARACTERIZATION OF MICROFLORA IN MECONIUM SAMPLES BASED ON THE INFANT'S DIET AND DELIVERY PROCEDURE"	SolRes Lab
4	PG032	M.Sc MMB(Medical Microbiology)	21132008	Divya	6 Months	"LACTOBACILLUS ISOLATION FOR ANTAGONISTIC EFFECT AGAINST UTI ORGANISMS AND EVALUATION OF BIOACTIVE PHYTOCHEMICALS FROM <i>Eclicpa Prostrata</i> "	SolRes Lab
5	PG032	M.Sc MMB(Medical Microbiology)	21132009	Ransar Kumar	6 Months	"Screening and Characterization of Pathogenic microbes and Potential Bioactive Compounds Evaluation From <i>Trifolium resupinatum</i> "	SolRes Lab
6	PG032	M.Sc MMB(Medical Microbiology)	21132010	Arjali Devi	6 Month	"ANTIBIOTIC SENSITIVITY PATTERN OF <i>STAPHYLOCOCCUS AUREUS</i> FROM DIFFERENT CLINICAL SAMPLES OF ANIMALS"	Dr. GC negi college of veterinary and animal science HPKV palampur.
7	PG032	M.Sc MMB(Medical Microbiology)	21132012	Pooja	6 Month	"IDENTIFICATION AND ISOLATION OF FOOD BORNE FROM PRESEVED/UNPROCESSED FOODS AND EVALUATION OF BIOACTIVE PHYTOCHEMICALS FROM <i>Soflaria Media</i> Hydrocotyle ranunculoides"	SolRes Lab
8	PG032	M.Sc MMB(Medical Microbiology)	21132013	Priya Devi	6 Month	ISOLATION AND IDENTIFICATION OF FOOD PATHOGENS FROM PROCESSED FOOD AND EVALUATION OF BIOACTIVE PHYTOCHEMICALS FROM <i>Polygonum arenastrum</i> "	SolRes Lab
9	PG032	M.Sc MMB(Medical Microbiology)	21132014	Ratika	6 Month	DETERMINATION OF A SPECIFIC SET OF PRIMER TO USE AS UTI-IMGs AND EVALUATION OF BIOACTIVE COMPOUND FROM " <i>Malva neglecta</i> "	SolRes Lab
10	PG032	M.Sc MMB(Medical Microbiology)	21132015	Rajesh Kumar	6 Month	"Study on differential expression of protein kinase A (PKA) -Substrate protein (s) in promastigote and amastigote stage of <i>Leishmania donovani</i> "	RMRIMS
11	PG032	M.Sc MMB(Medical Microbiology)	21132016	Indu Bala	6 Month	Evaluating the efficacy of cold adapted plant growth promoting bacteria on spinach growth	CSIR -INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY

Class Incharge

  
 COD/HOD

  
 Dean UIS



**icmr**  
INDIAN COUNCIL OF  
MEDICAL RESEARCH

**RMRIMS**  
RAJENDRA MEMORIAL RESEARCH  
INSTITUTE OF MEDICAL SCIENCES

आई.सी.एम.आर.-राजेन्द्र स्मारक चिकित्सा विज्ञान  
अनुसंधान संस्थान  
स्वास्थ्य अनुसंधान विभाग, स्वास्थ्य एवं परिवार  
कल्याण मंत्रालय, भारत सरकार  
ICMR- Rajendra Memorial Research  
Institute of Medical Sciences  
Department of Health Research, Ministry of Health  
and Family Welfare, Government of India

MR-RMRIMS/15/2023

Dated: 24/07/2023

**TO WHOM IT MAY CONCERN**

This is to certify that Mr. Md. Dilawar Shahnawaz, a student of M.Sc. Medical Microbiology, Department of Life Sciences, Sant Baba Bhag Singh University, Jalandhar, Punjab, Registration No; 21132003, underwent Six month training on "*Role of LFA3 In Visceral Leishmaniasis*" from 23<sup>rd</sup> January 2023 to 22<sup>nd</sup> July 2023 in Microbiology Division of this Institute for partial fulfillment of his M.Sc. (Medical Microbiology).

He is hard working student. I wish his a bright future.

24-07-2023

(Dr. Shubhankar Kr. Singh)  
Scientist - 'E' & HOD  
Microbiology Division  
*Dr. Shubhankar K. Singh*  
Scientist 'E' / Deputy Director  
ICMR-RMRIMS, Patna-7



Solutions for Research Laboratories (SolResLab)  
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GSTIN- 06BPJPG9855E1ZN




## CERTIFICATE

This is to certify that the thesis entitled, "IDENTIFICATION AND ISOLATION OF HUMAN PATHOGENIC MICROBES AND EVALUATION OF BIOACTIVE PHYTOCHEMICALS FROM *Hydrocotyle ranunculoides*" submitted to the Department of Life Sciences and Allied Health Sciences, UIS, Sant Baba Bhag Singh University, Vill. Khiala, PO. Padhiana, Distt. Jalandhar, in partial fulfillment of the requirements for the award of Mater of Science in Medical Microbiology by Ms SAVITA DEVI, Reg. No. 21132005 embodies the results of bonafide research work carried out by her from January, 2023-June, 2023 under my guidance and supervision. No part of the thesis has been submitted for any other degree or diploma. All the help and assistance received during the course of the research work has been duly acknowledged by her.

Place: Cheeka

Date: 25-08-23

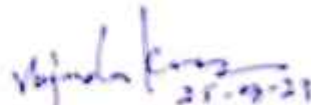
  
Dr Vajinder Kumar

Co-Supervisor



## CERTIFICATE

This is to certify that the thesis entitled, "ISOLATION AND CHARACTERIZATION OF MICROFLORA IN MECONIUM SAMPLES BASED ON THE INFANT'S DIET AND DELIVERY PROCEDURE" submitted to the Department of Life Sciences and Allied Health Sciences, UIS, Sant Baba Bhag Singh University, Vill. Khiala, PO. Padhiana, Distt. Jalandhar, in partial fulfillment of the requirements for the award of Master of Science in Medical Microbiology by Ms Reetika, Reg. No. 21132007 embodies the results of bonafide research work carried out by her from January, 2023-June, 2023 under my guidance and supervision. No part of the thesis has been submitted for any other degree or diploma. All the help and assistance received during the course of the research work has been duly acknowledged by her.

  
25-9-23  
Dr Vajinder Kumar

Co-Supervisor

Place: Cheeka

Date: 25-9-23

Solutions for Research Laboratories (SolResLab)  
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GSTIN- 06BPJPG9855E1ZN



## CERTIFICATE

This is to certify that the thesis entitled, "LACTOBACILLUS (LABs) ISOLATION FOR ANTAGONISTIC EFFECT AGAINST UTI ORGANISMS AND EVALUATION OF BIOACTIVE PHYTOCHEMICALS FROM *Eclipta prostrata*" submitted to the Department of Life Sciences and Allied Health Sciences, UIS, Sant Baba Bhag Singh University, Vill. Khiala, PO. Padhiana, Distt. Jalandhar, in partial fulfillment of the requirements for the award of Mater of Science in Medical Microbiology by Ms DIVYA, Reg. No. 21132008 embodies the results of bonafide research work carried out by her from January, 2023- June, 2023 under my guidance and supervision. No part of the thesis has been submitted for any other degree or diploma. All the help and assistance received during the course of the research work has been duly acknowledged by her.

Place: Cheeka

Date: 25-09-23

Dr Vajinder Kumar

Co-Supervisor



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GSTIN- 06BPJPG9B55E12N



## CERTIFICATE

This is to certify that the thesis entitled, "SCREENING AND CHARACTERIZATION OF PATHOGENIC MICROBES AND POTENTIAL BIOACTIVE COMPOUNDS EVALUATION FROM *Trifolium resupinatum*" submitted to the Department of Life Sciences and Allied Health Sciences, UIS, Sant Baba Bhag Singh University, Vill. Khiala, PO. Padhiana, Distt. Jalandhar, in partial fulfillment of the requirements for the award of *Mater of Science* in Medical Microbiology by MR. RAMAN KUMAR, Reg. No. 21132009 embodies the results of bonafide research work carried out by him from January, 2023-June, 2023 under my guidance and supervision. No part of the thesis has been submitted for any other degree or diploma. All the help and assistance received during the course of the research work has been duly acknowledged by him.

Place: Cheeka

Date: 25.09.23



Dr Vajinder Kumar

Co-Supervisor

## Department of Veterinary Microbiology

Dr. GC Negi College of Veterinary and Animal Sciences

Chowdhary Sansar Kumar Mehta School of Agricultural University, Jalandhar (Punjab) 144002



**Dr. Rajesh Chahota**  
Professor and Head

Phone: +91 1814 240347/181442001  
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Email: rchahota@bbsu.ac.in/rchahota@vetu.ac.in

NO: *OSP/VM/8-3/SKHPK/23/464*  
Dated: 22 July, 2023

### To Whom It May Concern

This is to certify that Ms. Anjali Devi d/o Sh. Hem Raj, M.Sc. student of Sant Baba Bhag Singh University (SBBSU), Khiala, Distt. Jalandhar (Punjab) Pin Code 144030, Registration number 21132010, has completed her 06 months internship/training course in this department w.e.f. 15-01-2023 to 15-07-2023 on the topic of "Antibiotic sensitivity pattern of *Staphylococcus aureus* from clinical samples"

She is sincere and hardworking person with good professional attitude. I wish her all the success in her future endeavours.

Head of the Department

Head  
Department of Vety. Microbiology  
DSDA, COLAS, CSKHPKV  
Palampur - 176002 (H.P.) INDIA



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GSTIN- 06BPJPG9855E1ZN



## CERTIFICATE

This is to certify that the thesis entitled, "ISOLATION AND IDENTIFICATION OF FOOD BORNE PATHOGENS FROM PRESERVED/ UNPROCESSED FOODS AND EVALUATION OF BIO-ACTIVE PHYTOCHEMICALS FROM *Stellaria media*" submitted to the Department of Life Sciences and Allied Health Sciences, UIS, Sant Baba Bhag Singh University, Vill. Khiala, PO. Padhiana, Distt. Jalandhar, in partial fulfillment of the requirements for the award of Mater of Science in Medical Microbiology by Ms. POOJA, Reg. No. 21132012 embodies the results of bonafide research work carried out by her from January, 2023- June, 2023 under my guidance and supervision. No part of the thesis has been submitted for any other degree or diploma. All the help and assistance received during the course of the research work has been duly acknowledged by her.

Place: Cheeka

Date: 25-09-23

  
25-09-23  
Dr Vajinder Kumar

Co-Supervisor



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GSTIN- 06BPJPG9855E1ZN



## CERTIFICATE

This is to certify that the thesis entitled, "ISOLATION AND IDENTIFICATION OF FOOD PATHOGEN FROM PROCESSED FOOD AND EVALUATION OF BIOACTIVE PHYTOCHEMICALS FROM *Polygonum arenstrum*" submitted to the Department of Life Sciences and Allied Health Sciences, UIS, Sant Baba Bhag Singh University, Vill. Khiala, PO. Padhiana, Distt. Jalandhar, in partial fulfillment of the requirements for the award of Master of Science in Medical Microbiology by Ms PRITI DEVI, Reg. No. 21132013 embodies the results of bonafide research work carried out by her from January, 2023-June, 2023 under my guidance and supervision. No part of the thesis has been submitted for any other degree or diploma. All the help and assistance received during the course of the research work has been duly acknowledged by her.

Place: Cheeka

Date: 25-7-23

  
Dr Vajinder Kumar

Co-Supervisor

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GSTIN- 06BPJPG9855E1ZN



## CERTIFICATE

This is to certify that the thesis entitled, "DETERMINATION OF A SPECIFIC SET OF PRIMER TO USE AS UTI-HMGs AND EVALUATION OF BIOACTIVE COMPOUNDS FROM *Malva neglecta*" submitted to the Department of Life Sciences and Allied Health Sciences, UIS, Sant Baba Bhag Singh University, Vill. Khiala, PO, Padhiana, Distt. Jalandhar, in partial fulfillment of the requirements for the award of Mater of Science in Medical Microbiology by Ms RITIKA, Reg. No. 21132014 embodies the results of bonafide research work carried out by her from January, 2023-June, 2023 under my guidance and supervision. No part of the thesis has been submitted for any other degree or diploma. All the help and assistance received during the course of the research work has been duly acknowledged by her.

Place: Cheeka

Date: 25-07-23

  
25-07-23  
Dr Vajinder Kumar

Co-Supervisor



सी.एस.आई.आर-हिमालय जैवसंपदा प्रौद्योगिकी संस्थान

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Dr. Gireesh Nadda  
Principal Scientist  
Coordinator, Training Programme  
Email:- training@ihbt.res.in

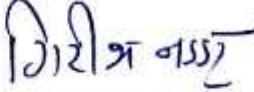
08<sup>th</sup> July, 2023

**TO WHOM IT MAY CONCERN**

This is to certify that **Ms. Indu Bala**, a student of M.Sc. Medical Microbiology, Department of Life Science and Allied Health Sciences, Sant Baba Bhag Singh University, Jalandhar, Punjab undertook her training on the topic entitled "**Evaluating the efficacy of cold-adapted plant growth promoting bacteria on spinach growth**" under the supervision of **Dr. Rakshak Kumar**, Senior Scientist, Biotechnology Division w.e.f. 09<sup>th</sup> January, 2023 to 08<sup>th</sup> July, 2023 at this Institute.

During the training programme, her conduct was found good.

I wish her all the success in her future endeavours.

  
(Gireesh Nadda)





References No: RMRIMS/ MoL Bio /175/ 2023-24

Date: 24/07/2023

### TO WHOM IT MAY CONCERN

This is to certify that Mr. Rajneesh Kumar, student of M. Sc. (Medical Microbiology) at Department of Life Sciences, Sant Baba Bhag Singh University, Jalandhar, Punjab (Registration No. 21132015) has successfully completed the project entitled "Study on differential expression of Protein Kinase A (PKA) -substrate protein/(s) in promastigote and amastigote stage of *Leishmania donovani*" from 24<sup>th</sup> January, 2023 to 23<sup>rd</sup> July, 2023 in the department of molecular biology, ICMR-RMRIMS, Patna under my supervision

Mr. Rajneesh is well acquainted with molecular biology techniques such as Nucleic Acid (DNA/RNA) isolation, cDNA synthesis, PCR, Agarose Gel Electrophoresis, Protein extraction, quantification, SDS-PAGE and Western Blot. Beside this, he also maintained murine macrophages cell line, RAW 264.7 cells and AG83 strain of *L. donovani* during his study. During his tenure in my laboratory, I found him to be diligent and sincere student with good scientific aptitude. He is well disciplined and is a keen learner of new techniques and always tries to update himself with literature. I can say he will be an asset to any research laboratory or any academic research when absorbed. I wish him all success in future career and scientific endeavors. To the best of my knowledge, he bears an excellent moral character

Date: 24/07/2023

Place: Patna

Dr. Abhik Sen,  
(Supervisor)

**Abhik Sen, Ph.D**  
Scientist - D

HOD, Molecular Biology  
ICMR Rajendra Memorial Research Institute of Medical Sciences  
Department of Health Research, Ministry of Health and Family Welfare  
Agamkuan, Patna-800 007