

# Mikrobiologika & The Department of Microbiology, 2023-24 EVENTS REPORT

## Department of Microbiology Participates in the 100-day Skill Festival

Students and Faculty of the Department of Microbiology participated in the 100 days Skill Festival which was inaugurated at RLA college in December 2022 and culminated in a valedictory session held on the 9th of May 2023 at the Convention Centre, University of Delhi. All the student participants and resource persons were felicitated on this occasion.



### **Appointment of Mikrobiologika Office Bearers:**

Departmental elections were held on 11th September, 2023 to appoint the office bearers for the post of President, Vice President, Secretary and Joint Secretary. The candidates also went through a two-member panel (Teacher in charge and Society Convenor) interview for final selection on 13th September, 2023. Three executive members were also selected through the interview.

| <b>Post</b>     | <b>Name of student</b> | <b>Class</b>                  |
|-----------------|------------------------|-------------------------------|
| President       | Deepansha Raina        | BSc (H)Microbiology, Part III |
| Vice President  | Sneh Priya             | BSc (H)Microbiology, Part III |
| Secretary       | Bhumi Singh            | BSc (H)Microbiology, Part II  |
| Joint Secretary | Milan Jha              | BSc (H)Microbiology, Part I   |
| Executive       | Devansh Kumar          | BSc (H)Microbiology, Part III |
| Executive       | Rishav Rawat           | BSc (H)Microbiology, Part II  |
| Executive       | Amrita Varshney        | BSc (H)Microbiology, Part I   |

## International Microorganism Day

**International Microorganism Day** (17th of September 2023) commemorates the day microbes were discovered by Anton van Leewenhoek. On this occasion, Mikrobiologika conducted an **Inter College Debate Competition** on the topic, **'Microorganisms: Friends or Foes.'** It drew enthusiastic participation from many colleges (27 participants). The following were the winners of this competition:

1st position: Anant Tiwari of 1st Year, B. A. (H) Sociology of Hindu College

2nd position: Sharanyam Singh of 3rd Year, B. A. (H) Political Science of PGDAV (Eve.) College

Best Interjector: Ankush Kumar of 2nd Year, B. Sc. (H) Microbiology of Ram Lal Anand College





## THSTI Visit

Mikrobiologika, The Department of Microbiology, Ram Lal Anand College visited the Translational **Health Science and Technology Institute (THSTI)** on **26th September, 2023**. A total of 50 students participated in the visit and the main theme for the day was **“Basics to create a successful Bio-Enterprise”**. Some facilities the students visited include The Biorepository and The AI hub. A team of students participated in a quiz and were the runners up!



## Metagenomics Workshop

**Mikrobiologika**, Department of Microbiology and **Internal Quality Assurance Cell (IQAC)**, Ram Lal Anand College, University of Delhi in association with **BioKart India Pvt. Ltd.** conducted a hands-on training workshop on “**Metagenomic Sequencing and Analysis: 16S and WGS**” on 10<sup>th</sup> October 2023.

The workshop was attended by a total of 35 Students and 15 faculty members from various organizations. It provided an insight into metagenomics and the methods involved in the analysis of 16S and WGS. The students also did hands-on training using one of the online software.





## Cleanliness Drive

Mikrobiologika organized a cleanliness drive in the college premises (lawns, classrooms, corridors, and common areas) on **25<sup>th</sup> October 2023** that had active participation from all three years. The collected waste was segregated into recyclables and non-recyclables.



## Visit to the Global Bio-India 2023

Mikrobiologika, The Department of Microbiology, Ram Lal Anand College (60 students and faculty members) went for the Global Bio-India event held in Pragati Maidan, New Delhi on **4th December 2023**. The theme of the event was “**Transforming Lives - Biosciences to Bioeconomy**”





## MicroMarathon 2.0

On 05<sup>th</sup> December 2023 Mikrobiologika, The Department of Microbiology, Ram Lal Anand College conducted its **Semi Flagship Event MicroMarathon 2.0** to raise awareness about the roles of microorganisms. The theme this year was “**Microbes in Sustainable Development**” and a series of events were organized in which more than 50 students participated across various departments of Ram Lal Anand College. The events, their topics and the winners of each event are:

| Event                            | Topics  | Winners  |
|----------------------------------|---|--|
| Essay Writing Competition        | Microbes in bioremediation<br>Microbes in plastic degradation.<br>Microbes in biofuel production. | 1st: Purushottam Mishra (B.A. Hons Political Science)<br>2nd: Swayamsiddha Panda (BSc Hons Geology)<br>3rd: Kartikey Bhatt (BSc Hons Microbiology) |
| Doodle/Poster Making Competition | Microbes in climate change.<br>Microbes in bioweapons.  | 1st: Nikitan Pathania (BSc Hons Computer Science)<br>2nd: Amrita Varshney (BSc Hons Microbiology)<br>3rd: Tannu Jaiswal (BSc Hons Microbiology)    |
| Crossword Competition            | Microbes in food production.<br>Microbes in biofuel production.                                   | 1st: Anshul Bagel (Bsc Hons Microbiology)<br>2nd: Syed Sahil (Bsc Hons Microbiology)<br>3rd: Punyavee Mohan (Bsc Hons Microbiology)                |





## Mental Health Awareness Session

**Mikrobiologika**, Department of Microbiology along with Department of **Physical Education** hosted a session on **Mental Health Awareness and Substance Use** in association with **Dr. Aman Dua**, Centre for Community Medicine, AIIMS on **6th February, 2024**. The event was held in two sessions and a total of 402 students of the college attended the awareness event and have been provided with certificates from AIIMS.



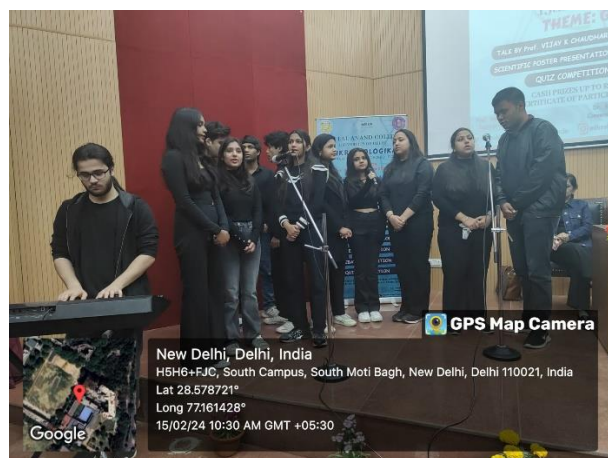
## Seminar on Nanopore Sequencing

On the 21st of February 2024, Mikrobiologika hosted a talk session titled "AN INTRODUCTION TO NANOPORE SEQUENCING: APPLICATIONS OF GENOMICS AND OTHER PLATFORMS". The guest speaker, Dr Jawahar Swaminathan (Director of Informatics Systems Integration & Interpretation, Oxford Nanopore Technologies) introduced the participants to the basic principles of Nanopore Sequencing, its advantages and the possibilities it throws open.



## MikroVitae' 24

Mikrobiologika, Department of Microbiology, Ram Lal Anand College, University of Delhi held its Annual Departmental Fest **MikroVitae'24** on 15th-16th February, 2024. A series of 4 events and 2 seminars took place where more than 150 students participated across various events. Participations were received from various colleges of Delhi University Circuit.



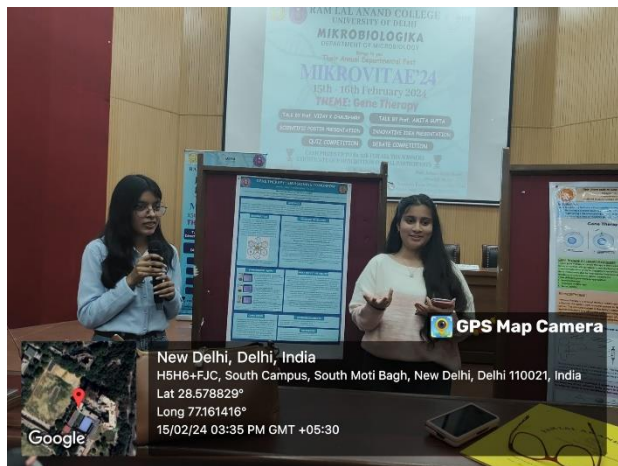
An informative **Seminar** was conducted on **15th April 2024** where our speaker Professor Vijay K. Chaudhary enlightened us on the topic “**Harnessing the Power of Antibodies**”. He discussed the importance of understanding antibody structure and function, emphasizing their role in immune responses and disease prevention.

Our second speaker Prof. Amita Gupta focused on “**Molecular Diagnostics for Identifying Drug-resistant Mycobacteria**” which is a critical issue in tuberculosis (TB) management. Prof. Gupta also emphasized the need for ongoing research and collaboration to develop novel diagnostic tools tailored to diverse healthcare settings and resource constraints.





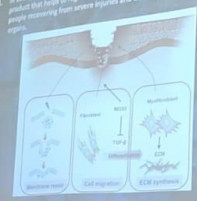
A **Poster Presentation competition on Gene Therapy** was held on 15th February after the seminar which featured **13 participants** who presented diverse topics within the gene therapy domain. Winners for Poster Presentation included **1st Position** to Aashi Barwal and Srishti Satija, MSc Biotechnology, DTU and **2nd Position** to Priyanka Sharma and Divya Verma, BSc Hons Microbiology, RLAC.



Day 2 of MikroVitae begin with the event **Idea Presentation Competition** on the theme **“Gene Therapy”** in which a total **14 students** in teams of two participated. The winners of this competition included 1st Position to Ingita Dey Munshi and Mansi Acharya, JNU and 2nd Position to Priyanka Sharma and Divya Verma, BSc Hons Microbiology, RLAC.



RAM LAL ANAND COLLEGE  
 UNIVERSITY OF DELHI  
**MIKROBIOLOGIKA**  
 DEPARTMENT OF MICROBIOLOGY  
 Brings to you  
 Their Annual Departmental Fest  
**MIKROVITAE'24**  
 15th - 16th February 2024  
**THEME: Gene Therapy**  
 TALK BY Prof. VIJAY K CHAUDHARY  
 Director (Hon.), DSSEED, University of Delhi  
 TALK BY Prof. AMITA GUPTA  
 Director CIIDRET, University of Delhi  
 POSTER PRESENTATION  
 IDEA PRESENTATION  
 DEBATE COMPETITION  
 QUIZ COMPETITION  
 HIGH PRIZES BY TELUS FOR ALL THE WINNERS  
 15000 WORTH OF PRIZES FOR THE BEST PARTICIPANTS

**Gene Therapy for Biohacking**  
 1. In 2018, researchers at Ohio State University pinpointed a human gene product that helps to regulate wound healing and may control scarring in people recovering from severe injuries and damage to certain internal organs.  


 **GPS Map Camera**



New Delhi, Delhi, India  
 STUDY CENTRE, ARYABHATTA COLLEGE, RLA Rd, South Campus, South Moti Bagh,  
 New Delhi, Delhi 110021, India  
 Lat 28.577924°  
 Long 77.16145°  
 16/02/24 11:54 AM GMT +05:30

A **Quiz Competition** on Gene Therapy was organized with the aim of promoting knowledge and intellectual engagement among the participants. The event featured 24 teams. The winners were 1st position to Madhurima Maitra, Shashwat S Nair, Kajal Pandey from BCAS; 2nd position to Manza Qamar, Aala Ahemed and Dhrishti Bhagwani from Gargi College and 3rd position to Shivansh Saxena, Amrita Varshney, Ankush Singh from RLAC.





The final event of MikroVitae'24 was **Intercollege Debate Competition** which was a highly engaging event where participants argued for and against the motion regarding the efficacy and ethics of **gene therapy**. A total of 14 participants skillfully presented their arguments and the winners were 1st position to Riya Chauhan and team from Bhaskaracharya College of Applied Sciences, 2nd position to Ankush Singh and team, Ram Lal Anand College and 3rd position to Sharanyam Singh and team, PGDAV college.



Based on the feedback received from participating students, the theme & topics for Mikrovitae '24 were relevant; the events drew wide participation from many colleges in Delhi and were largely enjoyed by the audience.

Suggestions for improvement include the following:

- Allowing more participants to register
- Better utilization of space at the venue

- Better conducting of Quiz (preparing the Question Bank well in advance) while ensuring audience participation





## Outreach Trip to Patiya Village Cluster, Almora

Mikrobiologika organised an Outreach event for high school students at Patiya Village Cluster (adopted by our college) to acquaint school children with the wonderful world of microorganisms and Scope of Microbiology. For more details, please refer Outreach report.





## Six Alumni Interactions hosted in 2023-24

### Alumni Interaction - Suresh Nath

Our first **Alumni Interaction** was with **Mr. Suresh Nath**, student of the 2014-17 batch on **11th September 2023**. The interaction was attended by a total of 30 students along with all our teachers. During the interaction Mr. Suresh Nath shared some insights into his current research, his achievements and some tips on how we can make the most out of the opportunity provided to us at the college to excel in life. He shared about how the teachers at the college played an important role in shaping him into the individual he is.







# RAM LAL ANAND COLLEGE UNIVERSITY OF DELHI

## MIKROBIOLOGIKA

DEPARTMENT OF MICROBIOLOGY

Invites you for an

### ALUMINI MEET



11th September 2023



3:30 PM onwards



Room No. 41, Ram Lal Anand College

#### SPEAKER

**SURESH NATH**

- He completed his Bachelors from University of Delhi, followed by his Masters and PhD from Harisingh Gour Vishwavidyalaya.
- He is currently receiving a fellowship at ICMR as a senior research fellow where he is working on "The assessment of probiotic oligosaccharides for inhibition of pathogenic adhesion to human gut epithelial cells.
- He was Presented the Young Scientist Award by the Mycology Society of India, 2020



#### FACULTY

Prof. Vandana Gupta  
TEACHER IN CHARGE

Dr. M Salome John  
CONVENER

Prof. Rakesh Kumar Gupta  
PATRON & PRINCIPAL

#### ORGANISING COMMITTEE

Dr. Sudha Chaudhry, Prof. Prerna Diwan, Dr. Sunila, Dr. Nidhi S Chandra,  
Dr. Nidhi Verma, Dr. Shalini Swami

Student Coordinators: Deepansha Raina (8700067984), Sneha Priya (85120 97195)



## Alumni interaction - Mr. Jatin Chaddha & Ms. Shaifali Sharma



Mikrobiologika, The Department of Microbiology, Ram Lal Anand College organized the **Alumni Interaction** with **Mr. Jatin Chadha and Ms. Shaifali Sharma**, students of the 2014-17 batch and classmates, on **20<sup>th</sup> October 2023**. The interaction was attended by a total of 50 students along with our teachers. Through the interaction they told us about their achievements and the path through which they reached the place of positions they are holding today. Most of the third-year students who had doubts with respect to the entrance exams found the interaction beneficial as Mr. Jatin and Ms. Shaifali provided insight about various entrance exams after graduation (CUET, AIIMS, JNU, etc.) and PhD. (CSIR-NET, ICMR, JRF, PMRF etc.).









**RAM LAL ANAND COLLEGE**  
UNIVERSITY OF DELHI  
**MIKROBIOLOGIKA**

DEPARTMENT OF MICROBIOLOGY

Invites you for an  
**ALUMNI INTERACTION**



20th October 2023



2:30 PM onwards



Seminar Room, Ram Lal Anand College



**Jatin**

- Completed his Bachelors from RLAC, Batch 2014-17; College Topper in Microbiology.
- Completed Masters in Microbiology, from Department of Microbiology, University of Delhi, South Campus, 2019
- Young Scientist Award 2023, Himachal Science Congress Association, Govt. Of Himachal Pradesh.
- Published 7 Reviews and 9 research articles with over 230 citations.

- Completed her Bachelors from Ram Lal Anand College (Batch 2014-17).
- Completed Masters in Microbiology and is pursuing PhD at AIIMS.
- Published 7 research articles and 2 patents.
- Recipient of HIV Research trust scholarship.
- Recipient of Bill and Melinda Gates foundation "Global Health Award".



**Shaifali**

**FACULTY**

**Prof. Vandana Gupta**  
TEACHER IN CHARGE

**Dr. M Salome John**  
CONVENER

**Prof. Rakesh Kumar Gupta**  
PATRON & PRINCIPAL

**ORGANISING COMMITTEE**

Dr. Sudha Chaudhry, Prof. Prerna Diwan, Dr. Sunila, Dr. Nidhi S Chandra,  
Dr. Nidhi Verma, Dr. Shalini Swami

Student Coordinators: Deepansha Raina (8700067984), Sneha Priya (85120 97195)



### **Alumni interaction - Mr. Anurag and Ms. Simranpreet**

Mikrobiologika's connection with its past members continued as we had an Alumni interaction with students of the 2018-21 batch, **Mr. Anurag and Ms. Simranpreet** on **30<sup>th</sup> November 2023**, which was attended by a total of 30 students. We got an amazing feedback response from the students, especially the first-year students who found the session to be an insight into the field of Microbiology.





**RAM LAL ANAND COLLEGE**  
UNIVERSITY OF DELHI

**MIKROBIOLOGIKA**  
DEPARTMENT OF MICROBIOLOGY

## **ALUMNI Interaction**



30th November 2023



Forenoon



Department Of Microbiology, Ram Lal Anand College



**Anurag**

- Completed Bsc (H) Microbiology from RLA Batch 2018-21;
- Completed Masters in Virology from ICMR- National Institute of Virology.
- Awarded Dr D.K Pabby Best Student Award in Sciences.
- Published several articles in international journals of repute and pursuing PhD at AIIMS.

**Simran Preet**

- Completed Bsc (H) Microbiology from RLA Batch 2018-21.
- Completed Masters from University of Delhi South Campus and pursuing PhD at AIIMS; Published several articles and book chapters and has over 800 citations.
- Recipient of Mosanto post graduate scholarship
- Awarded with Best Student from Microbiologists Society, India.



**Prof. Vandana Gupta**  
TEACHER IN CHARGE

**Commitee Members**

**Dr. M Salome John**  
CONVENER

Dr Sudha Chaudhry, Prof Prena Diwan, Dr Sunila, Dr Nidhi S. Chandra,  
Dr Nidhi Verma, Dr Shalini Swami

**Prof. Rakesh Kumar Gupta**  
PRINCIPAL

## Alumni Interaction - Lalit Mohan

On the 20<sup>th</sup> of December 2023, **Mikrobiologika**, The Department of Microbiology, Ram Lal Anand College organized an Alumni Interaction with **Mr. Lalit Mohan** (Batch 2017-2020), who is pursuing his masters in Singapore hence the major focus of the event was on providing students tips on how they can apply for universities abroad. The interaction was attended by a total of 20 students.







# RAM LAL ANAND COLLEGE UNIVERSITY OF DELHI

## MIKROBIOLOGIKA

DEPARTMENT OF MICROBIOLOGY

Invites you for an

**ALUMNI MEET**



20 December ,23



12 noon onwards



Pc-10, Ram Lal Anand College



**Lalit Mohan**

- Completed Bsc (H) Microbiology from RLA Batch 2017- 20
- Completed Masters in Biotechnology from Delhi Technology University
- In his Ph.D he is Working on development on Bacteriophage therapy against Acinetobacter baumannii.

For Queries:- Deepansha Raina (President):- 8700067984,

Sneh Priya (Vice President):- 85120 97195, Bhumi Singh (Secretary):- 9696901174

**Prof. Vandana Gupta**  
TEACHER IN CHARGE

**Dr. M Salome John**  
CONVENER

**Prof. Rakesh Kumar Gupta**  
PRINCIPAL

**Commitee Members**

Dr Sudha Chaudhry, Prof Prena Diwan, Dr Sunila ,Dr Nidhi Chandra,  
Dr Nidhi Verma, Dr Shalini Swami

## Alumni Interaction - Chetan Sharma

On the 4th of March 2024, **Mikrobiologika** hosted an Alumni Interaction Chetan Sharma (Batch of 2014-17) The interaction which lasted for 90 minutes was attended by a total of 30 students of the final year. Chetan is pursuing his PhD from IISER, Mohali and he extensively guided the students as they were in the process of appearing in several entrance exams.







# RAM LAL ANAND COLLEGE UNIVERSITY OF DELHI

## MIKROBIOLOGIKA

DEPARTMENT OF MICROBIOLOGY

Invites you for an

**ALUMNI MEET**



4 March ,24



2:30 PM onwards



Room No -41, Ram Lal Anand College



- Completed Bsc (H) Microbiology from RLA Batch 2014 - 17
- Completed Masters from Guru Nanak Dev University, Amritsar
- Gold medal in M.Sc Microbiology
- In his PhD he is working on Electromicrobiology trying to understand the electron transfer pathways in extremophilic electroactive bacteria

**Chetan Sadhotra**

For Queries:- Deepansha Raina (President):- 8700067984,

Sneh Priya (Vice President):- 85120 97195, Bhumi Singh (Secretary):- 9696901174

**Prof. Vandana Gupta**  
TEACHER IN CHARGE

**Dr. M Salome John**  
CONVENER

**Prof. Rakesh Kumar Gupta**  
PRINCIPAL

**Commitee Members**

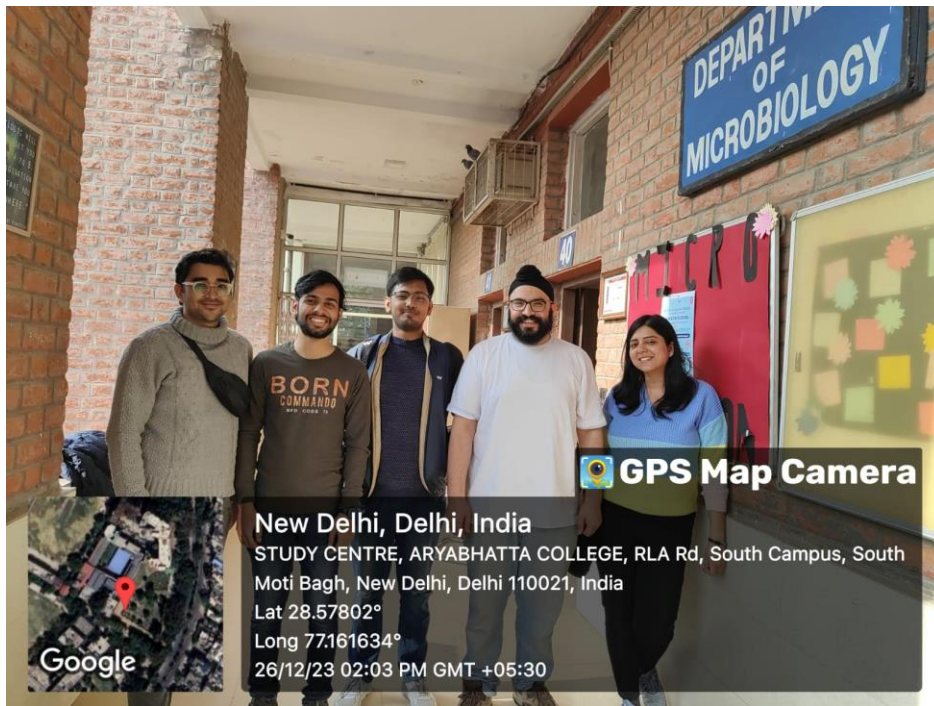
Dr Sudha Chaudhry, Prof Prena Diwan, Dr Sunila, Dr Nidhi S.Chandra,  
Dr Nidhi Verma, Dr Shalini Swami



## An Impromptu Alumni Meet!



On the 26<sup>th</sup> of December, 2023 five of our alumni across three years visited the Department of Microbiology at the same time! It turned out to be a memorable impromptu meet of the alumni with their teachers. They relived some of the joyful times spent with all of us, sat in the classrooms, interacted with the lab staff and also sampled food from our Canteen.



From left to right: Lakshay Chhabra (Batch of 2021); Sahil Raina (Batch of 2021); Jatin Chadha (Batch of 2017); Amanpreet Singh Chawla (Batch of 2010) and Maswal Dhar (Batch of 2010)

