

Annual Report

Department of Microbiology

(Academic Session 2024-25)

This year, the Department of Microbiology reached new heights in its academic and co-curricular achievements under the guidance of the Convener of Mikrobiologika, **Dr. Sunila Hooda**, and Teacher-in-Charge **Dr. M Salome John**. Under their collaborative leadership, the past year saw many significant successes such as scholarships, impressive results in examinations, notable wins in inter-college competitions, and powerful engagement in community development activities.

Events organized in the current session include a tree-plantation drive, cleanliness drive, educational field trips and outreach programs etc.

Office bearers of Mikrobiologika, the Microbiology Society for the session 2024-25

On the 31st of August 2024, office bearers for the session 2024-25 were selected following a screening of nominations and interviews. The results of the selection process are as follows:

Aayushi Verma, President; **Tanu Gupta**, Vice-President; **Tasmia Akter**, Secretary and **Amrita Varshney**, Joint Secretary; **Punyavee Mohan**, **Syed Sahil**, **Ashesh Anand**, and **Prince Kumar** as Executive members

Events

A Departmental orientation was organized for the newly admitted first-year students on August 30, 2024. The students were introduced to the National Education Policy (NEP), the Undergraduate Curriculum Framework. They were given guidance about how to choose the General Elective, Skilled Enhancement Courses, and Value Addition Courses being offered at RLA college, as well as the credit system for DSE and DSC papers in detail. These measures were aimed at enhancing new students's understanding of the curriculum and empowering them to chart a personalised academic plan from the very beginning. The provision to pursue a minor degree in another stream was also explained to them.



Departmental Orientation of Freshers

On the occasion of **Teacher's Day (5th September 2025)**, Mikrobiologika celebrated to honour the *Gurus*- our respected teaching faculty and nonteaching staff-who continue to enlighten and inspire students. Several fun activities like mimicking favourite faculty members, guessing the movie from the emoji, singing, cake cutting,



Teachers Day Celebration

gifting handmade cards and a video message from their passed out students were core memories of the celebration.

On the occasion of **International Microorganisms Day (18th September 2025)**, the society hosted MICRO MAESTRO, the quiz competition and MICROBIAL ART SHOWCASE, the poster making & presenting competition using Canva. In total 75 Attendees were there out of



Art Showcase, IMD

which 16 and 24 participants respectively along with 3 faculty members were present. The details of the winners are-

Quiz competition:

1st position- Rajdeep Das from Bhaskaracharya College of Applied Science, Department of Microbiology, 2nd year

2nd position- Ayush Aggarwal, Bhaskaracharya College of Applied Science, Department of Microbiology, 2nd year.

3rd position- Nikita Kumari from Shaheed Rajguru College of Applied Sciences for Women, Department of Microbiology, 2nd year

Art showcase:

1st position- Rajdeep Das & Kanika Dubey from Bhaskaracharya College of Applied Science, Department of Microbiology, 2nd year

2nd position- Sharia & Murshidah from Ram Lal Anand College, Department of Microbiology, 2nd year



Winners of IMD

3rd position- Varsha Adhikary & Reema Kumari from Ram Lal Anand College, B. Com Programme, 1st year.

On the occasion of the 93rd Birth Anniversary of APJ Abdul Kalam on 15th October 2024, the Microbiology department and Viksit Bharat in collaboration with Indraprastha Vigyan Bharati organized a Lecture on “**Learning from Kalam’s Life**”.



Learning from Kalam’s Life Event

A total 64 attendees were present including students and faculty . Prof. Manoj Kumar Patairiya, Adjunct Professor, NIAS, IISc, Bengaluru and Prof. Avinash Chandra Pandey, Director, IUAC & President, Indraprastha Vigyan Bharati were the chief guests of the event. The event concluded with an open house quiz on the topic “**Contribution of Indian scientists**”.

A visit to World Food India, Pragati Maidan organized by the Ministry of Food Processing Industries took place on 21st September, 2024 with 66 students in total involving both First and Second years of department students. The visit was supervised by Dr. Salome John, Dr. Sunila Hooda & Dr. Nidhi Verma.



Visit to World Food India

Three alumni interaction sessions were held this year: on 23-10-2024 with **Mr. Subhag Singh** (Batch- 2019-2022 , now HR Generalist at FCB Group India) and **Mr. Sachin Pal** (Batch- 2019-2022, now Research scientist-1, PGIMER, Chandigarh, India); on 4-03-2025 with



Alumni Meet with Lieutenant Pavni Sharma



Alumni Meet with Mr. Subhag Singh and Mr. Sachin Pal

Lieutenant Pavni Sharma (Batch- 2016-2019, now Lieutenant in Military Intelligence, Indian Army); and on 7-03-2025 with **Mr. Nitin Agnihotri** (Batch- 2011-2014, now Prosecutor to Govt. of India, Serious Fraud Investigator, Ministry of Corporate Affairs, Govt of India).



Alumni Meet with Mr. Nitin Agnihotri



Plantation Drive Session

The department in association with Hirav-the Green Campus Society Ram Lal Anand College hosted an Interactive session and Plantation Drive on 18th October, 2024. **Dr. Garima Malik**, Assistant Professor from Raghunath Girls' (P.G.) College, Meerut UP conducted an engaging interactive session, focusing on the significance and practical applications of medicinal plants. A total of 30 students and

7 faculty members were present in this session.

An Outreach activity was also organized with students of Raghunath Girls PG College. Total 4 M. Sc. students and 6 faculty were a part of this outreach program. The outreach program included demonstration of microbiological techniques, lab facility visit and interaction with the students, research scholars and with faculty of the department of Raghunath Girls PG College.



Outreach Program

On the occasion of Diwali, a cleanliness drive was conducted on 24th October, 2024. A total of 75 students along with 5 faculty members were a part of this drive. The drive aimed to promote hygiene, cleanliness, and environmental responsibility within the college community.



Cleanliness Drive

On 12th November, 2024, **Micro Marathon 3.0** was organized by Mikrobiologika with the theme of “Microbial Innovation: Transforming Industries”. It was an inter- college event with competitions like Agar Artistry, Debate Declamation and AD-a-Making. A total of **200 attendees** including **83 participants** were present. The details of the winner are-

Agar artistry



Glimpse of Micro Marathon 3.0

1st Position: Rishav Bhasak, B. Sc. (H) Microbiology, Bhaskaracharya College of Applied Science.

2nd Position: Divya, B. Sc. (H) Microbiology, Ram Lal Anand College.

3rd Position: Sana Alam, B. Sc. (H) Microbiology, Bhaskaracharya College of Applied Science.

Special Mentions were given by our judges to appreciate the works of Ruchita Singh Batra, Aarushi Aggarwal and Priya Jha.

Debate declamation

1st Position: Aditya Agrahi, B.A (H) Political Science, Atma Ram Sanatan Dharma College.

2nd Position: Mahak Maurya, B.A. (Prog), Atma Ram Sanatan Dharma College.



Debate Declamation

3rd Position: Vansh Batra, BMS, Ram Lal Anand College.

AD-a-Making

1st Position: Vikanshu Saini, Shivani Ahuja, Harshita Chopra from Ram Lal Anand College.

2nd Position: Siddhant Verma, Prince, Himank Anand from Ram Lal Anand College.

3rd Position: Damanpreet Kaur, Priya Sagar, Anvesha Singh from Institute of Home Economics.



Ad-a-Making, MM3.0

On 14th November, 2024, a documentary screening on the Life of Dr. GN Ramachandran was organised in collaboration with Indraprastha Vigyan



Winners of Crossword

Bharati and Viksit Bharat. It was followed by crossword competition “Grid of Quest- the crossword showdown” on the theme Indian Noble prize winners.

A total of 25 participants took part in the crossword.

The winners were-

1st position- Bhavya Sharma (BA History(h), Ram Lal Anand College)

2nd position- Utkarsh Yadav and Niyati Sabharwal (BA History(h) and B.Sc Microbiology(h), Ram Lal Anand College)



Documentary screening on the Life of Dr. GN Ramachandran

An educational field trip to **Delhi University Research Field**, Bawana road was organized on 8th February, 2025 with an objective to enhance the understanding of plant pathogens. A total of 10 students participated in this field trip along with Dr. Nidhi Chandra.



Visit to DU Research Field

Students of the department actively participated in various games during Annual Sports Fest conducted from 11.02.25 to 24.03.25 including cricket, kho-kho, race, tug of war etc. out of which **Syed Sahil** from 2nd year

secured 3rd position in Frog Race Competition and the **1st year Girls Team (Department of Microbiology)** won the finals of Tug of War.



Another educational field trip took place on 24th February, 2025 to **Indian Agriculture Research Institute (IARI)**, Pusa Campus, New Delhi.

Students visited various laboratory divisions of Krishi Mela, Herbarium *Cryptogamae Indiae Orientalis* (HCIO) of Fungi. The purpose of the visit was to provide a better understanding of their subject through a practical approach.

Students observed various plant species, learned about their growth conditions, and understood the different types of diseases affecting these plants.



IARI educational visit

A visit to **Regional Centre of Biotechnology (RCB)**, Faridabad on 8th February, 2025 was organised as a part of the open day celebrations, organized by Translational Health Science & Technology Institute (THSTI) and RCB to celebrate science and inculcate scientific temperament in the youth.



Visit to RCB

The visit included a total of 50 students from 2nd and 3rd year. The event had many fun activities.

Completion of 35 glorious years of department was marked by departmental fest **MikroVitae'25** with the central theme of 'Phage Therapy: The Next Gen-Antimicrobials' on 5th March, 2025. More than **150 attendees** from different colleges participated along with 9 faculty members. The event was inaugurated by our Vice-Principal **Prof. Perna Dewan**. The highlight of the fest was the lecture given by **Dr. Urmi Bajpai**, Professor at Department of Biomedical Science, Acharya Narendra Dev College, University of Delhi with the title "**Co-evolution of Bacteria-Bacteriophages: Nature's Tom & Jerry**". The fest organized events like Rangeele Microbes - Rangoli making Competition, Idea Presentation, Microbe-e-Dastaan - Short Film Making Competition revolving around the central theme.

The details of the winner are as given below-

Rangeele microbes- rangoli making competition

Winners:

First Position - Team Colour Crew (Bhaskaracharya College of Applied Sciences)

Second Position - Team Reverie (Gargi College)

Third Position - Team Phage Artists (Ram Lal Anand College)

Idea presentation

Winner: Team Astral (Bhaskaracharya College of Applied Sciences)



Winners of MikroVitae'25

Microbe-e-Dastaan- short film making competition

Winner: Team Vyom (Ram Lal Anand College)



Glimpses of MikroVitae'25

Another educational visit to **National Institute of Food Technology Entrepreneurship and Management (NIFTEM)**, took place on 23rd March, 2025. A total of 35 first year students along with 3



Visit to NIFTEM on March 23, 2025

faculty members went on this visit. The visit was organized to provide students with hands-on experience and insights into the state-of-the-art research and facilities available at NIFTEM's Centre for Food Research and Analysis (CFRA). The field trip to NIFTEM CFRA provided the students with invaluable insights into food research and the practical aspects of food safety, quality, and fortification.

The **academic year of 2024-25** witnessed remarkable achievements wherein students showed their excellence in academic as well as in extra-curricular activities. Their active participation bought recognition at various platforms. Some of those shining achievements are as follows:

Academic Achievements 2024-25

Students actively participated in various research projects, paper and poster presentations at international and national-level and achieved excellence in the respective competitions.

1. Niyati Sabharwal and Nitya Tongaria of 3rd year won **2nd prize in One health approach and well-being - Oral presentation** in Institute of home economics on 4th April 2025.
2. Amrita Varshney and Syed Sahil of 2nd year won **3rd prize in One health approach and well-being - Oral presentation** in Institute of home economics on 4th April, 2025.
3. Ujjwalkant Singh of 2nd year was given a certificate, a memento in **National Conference of Research Scholars (VIVIBHA 2024)** organised by Bhartiya Shikshan Mandal in

S.G.T University, Gurugram from 15thOctober, 2024 to 17thOctober, 2024.

4. Aayushi Verma, of 3rd year was awarded as the **Best student** from **Microbiologists society**, India during the academic year 2023-24.

Extra-Curricular Achievements

Beyond academics, students exhibited outstanding performances in extra-curricular activities at college and national level, from securing prizes in quizzes to winning medals at state level they gave us a moment full of pride.

1. Tasmia Akter of 2nd year secured **1st position in Microblaze'24, Agar Art Competition** in Shaheed Rajguru College of Applied Sciences for Women, Delhi, on 23rdSeptember, 2024.
2. Priyanshi Sahu and Priya of 3rd year secured **3rd position in Rhythmic Yoga in Delhi State Yogasana Competition** on 8thDecember, 2025.
3. Syed Sahil, Milan Jha, Naina, Nitya Rastogi and Kartikey Bhatt secured 2nd position in **Lab Rats 2.0 Quiz** in Delhi Technological University, Rohini.



Dr. M Salome John

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Dr. Sunila

Convener, Mikrobiologika