

Report of Department of Microbiology

This year Department touched great heights with grant Financial support and Star status under DBT “**Star College Scheme**”, Ministry of Science and Technology under Coordinator Dr Prerna Diwan. Dr. Prerna Diwan and Dr Rakesh Kumar Gupta have been awarded two extramural research grants from ICSSR and ICMR. Department faculty and students also have been selected for 5 inhouse college research grants.

Orientation for new students was held on Monday 22nd July 2019. Several national, international events and outreach programs were organized in the department throughout the year.

Aman Singh was elected as President, Pragya Kumar as Vice-President, Anurag Singh as Secretary and Yugansh Gupta as Treasurer of the society Mikrobiologika. An Educational visit to the exhibition “Superbugs: The End of Antibiotics?” by National Council of Science Museums (NCSM) in collaboration with Science Museum Group, London (UK) at National Science Centre for students was organized on 01-10-2019

Three alumni interaction sessions were held this year. On 31-10-2019, **Dr. Chandra Prakash** (batch 1997-2000, now Associate Professor, Department of Medical Oncology, AIIMS, New Delhi), **Dr. Piyush Agrawal** (batch 2008-2011, now Postdoctoral Fellow, National Cancer Institute, NIH, USA) on 11-11-2019 and **Mr. Abhilash Chakraverty** (batch 1997-2000), a business leader and author who specializes in new product launch and market access for global emerging markets on 22-01-2020.

In order to acquaint students with emerging trends in microbiology, an International Seminar on “Nanoparticles in Biology” was organized on 29th January 2020 under DBT star college Scheme. **Prof Christelle Prinz**, Lunds University, Sweden, **Dr. Mohamad Takwa**, CEO, Ecozyme AB, Sweden and **Dr. Elke Hebisch**, researcher at Lunds University gave talks. 95 students and 10 faculty members from different colleges participated.

Completion of 30 glorious years of department was marked by departmental fest “**MIKROVITAE 2020**” on 4th February 2020. A total of 160 students and 20 faculty members from different colleges participated and. Was inaugurated by Prof. Pawan K Dhar (JNU) keynote lecture on “Synthetic Biology”. This was Followed by various intercollege competitions. The Quiz competition was won by our 2nd Semester students namely Abhilash, Vasu Sharma, Soma Banerjee and Arya. In AdMad Himanshu Sehrawat, Muskan Mittal, and Khushi Sharma from our college stood first. In Innovative idea presentation “Moving on with Make in India, Me and My Innovation”, A total of 8 teams participated and Manav Rachna Institute of Research and Studies won the I prize. A National Seminar on “Metagenomics and Genome Editing” was held on 5-02-2020. **Prof. Sanjay Kapoor** (University of Delhi), **Dr. Deepanjan Paul** (Scientist, IGIB), **Dr. Narsingh Chauhan**, Assistant Professor, MDU, Rohtak. And **Dr. Mitali Mukerji**, Chief Scientist at Genomics and Molecular Medicine, Ayurgenomics, CSIR-IGIB and Shanti Swaroop Bhatnagar awardee were invited. A poster presentation competition on “Metagenomics and Genome Editing” saw participation from different colleges and institutes.

Students participated and bagged prizes in various intercollege, national and international events throughout the year as listed below

1. Nine students attended 10th Foundation Day of THSTI on 15th July 2019 under "Science Setu Program". In Poster making competition Ananya Grewal, Simran Preet Kaur and Poorvi Saini got I Prize.
2. An Inhouse DBT sponsored Foldscope workshop was held on 11th September 2019. 75 students and 7 faculty members participated.
3. A Foldscope workshop was attended by Muskaan, Lalit, Shaubhik and Keshav at School of sciences, IGNOU on 23rd August 2019 where they trained the participants on use of foldscope
4. Interaction session of students with Dr V Thangapandian, Department of Zoology, Mayya Nadar Janaki Ammal college, Sivakasi Tamilnadu was held discussing the issues faced while working with foldscope and use of foldscope as an identification tool.
5. A Cleanliness drive was held in the college 18th October 2019. Faculty members and students formed groups and picked up the garbage (paper and plastic) from the entire campus area and outside. Thirteen bags of trash were collected and disposed.
6. 12 students of III Year, B.Sc.(H) Microbiology participated in NIPGR Open Day held on 23rd October 2019 at National Institute of Plant Genome Research, New Delhi. The program provided an insight into the work life of researchers, their achievements and also a tour of research facilities at NIPGR and motivated them to pursue further interest in Science as a career.
7. Savi, Pratibha, Khushi Sharma won first prize in poster making competition in RCB open day on National Science day, 28th February 2020.
8. Lalit Mohan, Keshav Goyal, Shivam Sagar, Surbhi Singh and Preeti Dobriyal attended 10th India Probiotic Symposium, New Delhi from 29th February to 1st March 2020.
9. Savi (III Year) won II Prize in Intercollege T-shirt Painting competition at Sri Venkateshawa college and III prize in Poster making competition on World SCI day, 2019.
10. Pratibha and Garima secured 1st Prize in an intercollege Poster presentation, Abhilash Jeas George, Vasu Sharma and Arya Kirone Patra secured II Prize in intercollege Quiz competition, Shreya and Saloni secured III position in intercollege Whisper-o-charades competition, Shaubhik Anand secured II and Saloni Jain II Position in intercollege Micomemecompetiton organised at Bhaskaryacharya College of Applied Sciences, University of Delhi on 20th February 2020.
11. Bhawana Sharma, Ananya Grewal were awarded I prize in poster at National Seminar and Research Fest 2020 on "Antimicrobial therapy: Challenges and Future Trends" at Shaheed Rajguru College of Applied Sciences on 25-02-2020.
12. Lalit Mohan, Keshav Goyal, Saubhik Anand, Muskan Mittal and Akanksha and Aman Dixit were awarded internships under ICSSR funded Project under which a visit to Kendriya Vidhyalaya, Rohini New Delhi was organized to spread awareness about antimicrobial resistance.
13. 29 students of D.A.V Public School, Jasola Vihar were given exposure to tools and techniques in microbiology lab. Lalit, Shaubhik, Sarvani, Pragya, Akansha, Siddharth, Dharmendra and Priya volunteered for this activity.

Convener
Society Mikrobiologika

Teacher Incharge

Representative Pictures attached Below





International Seminar on Nanoparticles in Biology



National Seminar on Genome Editing and Metagenomics



Alumini Lecture Series