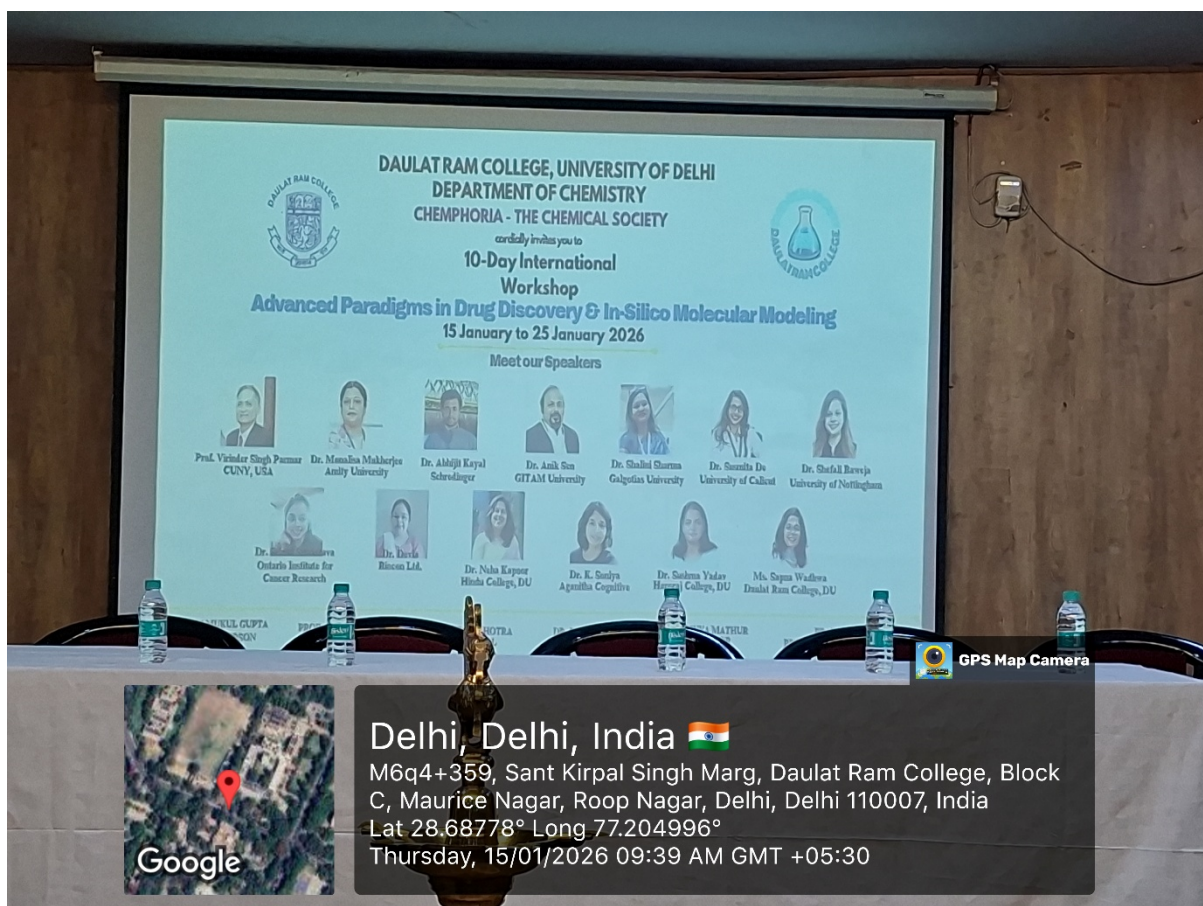


## Department of Chemistry- Chemphoria

Convener: Dr Divya Mathur

**Faculty Members:** Dr Archana Gupta, Prof. Priti Malhotra, Prof. Darshan, Dr Ritu Gupta, Dr Avneet Kaur, Dr Arti Jain, Dr Divya Mathur, Dr Anamika Debnath, Dr Manoj Trivedi, Dr Hemandra Kumar Tiwari, Dr Deepak, Dr Preeti Chadha, Dr Gauri Ahuja, Dr Anuradha

The Chemical Society, Chemphoria, of the Department of Chemistry, Daulat Ram College, successfully organized **10-day International Workshop titled "Advanced Paradigms in Drug Discovery and *in silico* Molecular Modeling"** from 15 January to 24 January 2026. The workshop served as a global gateway for 160 participants to explore the intersection of computational chemistry and pharmaceutical research. The program was designed to provide a comprehensive understanding of the drug discovery pipeline, from initial lead identification to advanced molecular simulations. The academic journey was anchored by a distinguished lineup of resource persons, beginning with a high-impact opening day. The Keynote Address was delivered by the esteemed Prof. V. S. Parmar (City University of New York, USA), providing a visionary outlook on the field which set the technical and academic tone for the sessions. The international perspective was enriched by Dr. Smriti Srivastava (Ontario Institute for Cancer Research, Canada) and Dr. Shefali Baweja (University of Nottingham, UK). The curriculum offered a rare blend of academic and industrial insights, featuring sessions by Dr. Abhijit Kayal (Schrödinger), Dr. K. Soniya (Aganitha Cognitive Solutions), and Dr. Devla (Biocon Biologics), alongside academic contributions from Dr Susmita De (University of Calicut), Dr. Anik Sen (GITAM University), Dr. Shalini Sharma (Galgotias University), Dr. Neha Kapoor (Hindu College), Dr. Sushma Yadav (Hansraj College) and Ms Sapna Wadhwa (Daulat Ram College). The technical core of the workshop focused on hands-on proficiency in industry-standard tools such as SwissADME for predicting the pharmacokinetic profiles and drug-likeness of molecules, AutoDock for molecular docking and GROMACS for molecular dynamics simulations. To ensure rigor, all participants completed a capstone assignment. By integrating expert lectures with intensive practical sessions, the workshop successfully achieved its goal of fostering a new generation of researchers equipped with advanced *in silico* skills. The Department of Chemistry at Daulat Ram College continues to set high benchmarks in scientific education, preparing students to contribute meaningfully to global healthcare and drug development. The **Chemphoria Inaugural Lecture**, delivered by Prof. Monalisa Mukherjee (Amity University), on 15<sup>th</sup> January 2026 featured a detailed presentation titled, "Propene-bridged cyanurate tetramers decorated on carbon nanosheets with antibacterial activity: insights from molecular modeling and *in vitro* studies." The session focused on the innovative synthesis of cyanurate-based tetramers and their functionalization onto carbon nanosheet scaffolds to create potent antimicrobial surfaces. The lecture provided a comprehensive look at the journey of a new material from its conceptual design to its proven performance as a next-generation antibacterial agent. The **Quanta Annual Fest**, held on February 12, 2026, featured a high-impact academic session that brought global research perspectives to the forefront. The highlight of the day was an extraordinary lecture delivered by Prof. Sanjay V. Malhotra from Oregon Health & Science University (USA), titled "A Molecule's Journey: From a Himalayan Plant to a Cancer Therapeutic". In this captivating session, Prof. Malhotra tracked the complex evolution of a bioactive compound, beginning with its discovery within the unique flora of the Himalayan region. The session served as a powerful reminder of the impact of chemical research on global healthcare, leaving the audience inspired by the potential of nature-derived medicine.





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### The Nobel laureates behind CRISPR-Cas9 technology are?

Emmanuelle Charpentier Jennifer A. Doudna  
"for the development of a method for genome editing"  
THE ROYAL SWEDISH ACADEMY OF SCIENCES

GALGOTIAS UNIVERSITY

Shalini sharma

**Participants (140)**

Find a participant

|                     |  |
|---------------------|--|
| Aashvi Sahani       |  |
| AY Aastha Yadav     |  |
| AF afeeda Fathima   |  |
| Akkshar Mahajan SAC |  |
| Alaknanda Miglanni  |  |
| AJ Anannya Jha      |  |
| Ananya Koul         |  |
| AS Ananya S I       |  |
| A Anjali            |  |
| A Anjali Yadav      |  |
| AY Annu Yadav       |  |
| AS Anshika Singh    |  |
| AB Anushka Bharti   |  |

Invite Mute all

