



# All India Council for Technical Education (AICTE) Sponsored AICTE Training And Learning (ATAL) Academy

**Dr. Harisingh Gour Central University, Sagar, M.P.**

**One Week Faculty Development Program (FDP-  
2021) On**

**“Drug Engineering through Computer Aided Drug Design”**

**Date: 13<sup>th</sup> Sept – 17<sup>st</sup> Sept 2021**

**Coordinator Prof. Ratnesh Das**

**Organized by  
Department of Chemistry  
Dr. Harisingh Gour Central University, Sagar, M.P.**

# PROGRAM SCHEDULE

Date	10:30AM –11:30AM	12:00PM –1:30PM	2:00PM –3:30PM
<b>DAY-1</b> <b>13-09-</b> <b>2021</b> <b>(Monday)</b>	<b>“Inaugural Session”</b>	<b>“Session-1”</b> <b>-TOPIC-</b> Open source drug discovery: The need of the hour. <b>-SPEAKER-</b> Prof. Samir K Brahmachari Academy Professor, AcSIR Founder Director CSIR - IGIB Former Director General CSIR, India	<b>“Session-2”</b> <b>-TOPIC-</b> Some novel quantum chemical concepts in computational drug design <b>-SPEAKER-</b> Prof. Kalidas Sen INSA Senior Scientist, School of Chemistry University of Hyderabad

Date	10:00AM –11:30AM	12:00PM –1:30PM	2:00PM –3:30PM
<b>DAY-2</b> <b>14-09-2021</b> <b>(Tuesday)</b>	<b>“Session-3”</b> <b>-TOPIC-</b> Data mining techniques for designing peptide based medicine <b>- SPEAKER-</b> Prof. G.P.S.Raghava Head Department of Computational Biology, IIIT New Delhi, India	<b>“Session-4”</b> <b>-TOPIC-</b> Design of Anthraquinone derivatives as potential anti-cancer agents against Aurora Kinase B <b>-SPEAKER-</b> Dr. Punit Kaur Professor and Head, Department of Biophysics , AllMS, New Delhi	<b>“Session-5”</b> <b>-TOPIC-</b> Computer Aided Drug Design Techniques <b>-SPEAKER-</b> Prof. Esin AKI-YALCIN Pharmaceutical Chemistry Department , Ankara University, Turkey

Date	10:00AM –11:30AM	12:00PM –1:30PM	2:00PM –3:30PM
<p><b>DAY-3</b> <b>15-09-2021</b> <b>(Wednesday)</b></p>	<p><b>“Session-6”</b> <b>-TOPIC-</b> Integrating Chemistry with Biology and IT: Towards a Disease Free Planet <b>-SPEAKER-</b> Prof. B Jayaram Professor , Department of Chemistry, IIT Delhi</p>	<p><b>“Session-7”</b> <b>-TOPIC-</b> Stress Management in Education <b>-SPEAKER-</b> Dr. Megha Das Assistant Professor Department of Education, IGNTU Amarkantak</p>	<p><b>“Session-8”</b> <b>-TOPIC-</b> Drug discovery : Positives and pitfalls in the Indian scenario <b>-SPEAKER-</b> Prof. Sonika Bhatnagar Professor and Head , Department of Biotechnology, NSUT, Delhi</p>

Date	10:00AM –11:30AM	12:00PM –1:30PM	2:00PM –3:30PM
------	------------------	-----------------	----------------

<p><b>DAY-4</b> <b>16-09-2021</b> <b>(Thrusday)</b></p>	<p><b>“Session-9”</b> <b>-TOPIC-</b> Transcriptome based lead generation for Drug Discovery <b>-SPEAKER-</b> Prof. Shandar Ahmad Professor, School of Computational and Intergrative Sciences, JNU, Delhi</p>	<p><b>“Session-10”</b> <b>-TOPIC-</b> Machine learning for Drug Discovery and Development <b>-SPEAKER-</b> Dr. U.C. Jaleel Principal Scientist, OSPF- NIAS Drug Discovery Lab. Bangalore</p>	<p><b>“Session-11”</b> <b>-TOPIC-</b> Drug Repurposing: A powerful tool to accelerate the Drug Discovery processes <b>-SPEAKER-</b> Dr. Sushil Kashaw Associate Professor Department of Pharmaceutical science, Dr. Harisingh Gour Central University, Sagar</p>
---	---	--	--

Date	10:00AM –11:30AM	12:00PM –1:30PM	1:30PM –3:00PM
<p><b>DAY-5</b> <b>17-09-2021</b> <b>(Friday)</b></p>	<p align="center"><b>“Session-12”</b></p> <p align="center"><b>-TOPIC-</b></p> <p align="center">Artificial Learning- driven Drug Discovery</p> <p align="center"><b>-SPEAKER-</b></p> <p align="center">Dr Ho Leung</p> <p align="center">Associate Professor, Biochemistry &amp; Molecular Biophysics, Kansas State University, USA</p>	<p align="center"><b>“Session-13”</b></p> <p align="center"><b>-TOPIC-</b></p> <p align="center">Managing Pandemic Burnout</p> <p align="center"><b>-SPEAKER-</b></p> <p align="center">Dr.Priya Bir</p> <p align="center">Associate Professor, Department of Psychology, AMV, University of Delhi, New Delhi</p>	<p align="center"><b>“Session-14”</b></p> <p align="center"><b>-TOPIC-</b></p> <p align="center">Novel synthesis techniques for drug delivery and computer aided drug design</p> <p align="center"><b>-SPEAKER-</b></p> <p align="center">Dr. Ratnesh Tiwari</p> <p align="center">Professor, Department of Physics, Dr. C V Raman University Bilaspur</p>
	<p align="center"><b>3:00PM-4:00PM</b></p>		
	<p align="center"><b>Examination of Participants and Feedback</b></p>		
	<p align="center"><b>4:00PM –4:30PM</b></p>		
	<p align="center"><b>“Valedictory Session”</b></p>		