



# International Conference on Advances in Biosciences and Biotechnology



**ICABB -2022**  
**(20 - 22 January, 2022)**

*Innovation in Life Sciences and Computational Biology*

## PROGRAMME

**Day 1: Thursday, 20<sup>th</sup> January, 2022**

### Inaugural Ceremony

09:00 AM to 10:00 AM	Prof. S. C. Saxena (Pro-Chancellor, JIIT-Noida) Prof. Yog Raj Sood (Vice-Chancellor, JIIT-Noida) Chairperson: Prof. Pammi Gauba (HOD, Dept. of Biotechnology, JIIT-Noida) Org.Secretary: Prof. Rachana (Dept. of Biotechnology, JIIT-Noida)
10:00 AM to 10:30 AM	<b>Guest of Honor</b> Dr. Rajeev Singh Raghuvanshi (Secretary-cum-Scientific Director, Indian Pharmacopoeia Commission, Ministry of Health and Family Welfare, Govt. of India) <i>"Pharmacopoeial standards for Biotechnology based therapeutics"</i>

### Technical Session I: Computational Biology and Applications

(Chair: Prof. Vibha Rani & Co-chair: Dr. Chakresh Jain)

10:30 AM to 11:00 AM	Prof. Anirban Chakraborti (BML, Munjal University, Haryana) <i>"Network Science Applications in Biology: Identifying significant key regulators"</i>
11:00 AM to 11:30 PM	Prof. Pawan K. Dhar (School of Biotechnology, Jawaharlal Nehru University, Delhi) <i>"Systems and Synthetic Biology: concepts to application"</i>
11:30 PM to 13:30 PM	ORAL & E-SHORT PRESENTATIONS SESSION I

**Lunch Break (13:30 to 14:30 PM)**

### Technical Session II: Medical and Microbial Biotechnology

(Chair: Prof. Reema Gabrani & Co-chair: Prof. Sujata Mohanty)

14:30 PM to 15:00 PM	Prof. Yogendra Singh (Dept. of Zoology, University of Delhi, Delhi) <i>"Protein Kinases and Phosphatases: Role in Virulence and Survival of Pathogenic Bacteria"</i>
15:00 PM to 15:30 PM	Prof. Rup Lal (NASI-Senior Scientist Platinum Jubilee Fellow, TERI, Delhi) <i>"Microbiome: Human Health, Environment and Society"</i>
15:30 PM to 17:30 PM	ORAL & E-SHORT PRESENTATIONS SESSION II



## Day 2: Friday, 21<sup>st</sup> January, 2022

### Technical Session III: Food Agriculture and Natural Products

(Chair: Prof. Neeraj Wadhwa & Co-chair: Dr. Garima Mathur)

9:30 AM to 10:00 AM	Dr. Murugeswaran R (Deputy Director, M/O Ayush, Govt. of India, Delhi) <i>“Medical Plants on Western Ghats Issues and Challenges”</i>
10:00 AM to 10:30 AM	Dr. Dinesh Nagegowda (Senior Principal Scientist, CSIR-CIMAP Research Centre, Bangalore) <i>“Exploration of Specialized Metabolic Pathways and their regulation in Plants”</i>
10:30 AM to 12:30 PM	ORAL & E-SHORT PRESENTATIONS SESSION III

### Lunch Break (12:30 PM to 13:30 PM)

### Technical Session IV: Environmental and Industrial Biotechnology

(Chair: Prof. Krishna Sundari & Co-chair: Prof. Indira P Sarthey)

13:30 PM to 14:00 PM	Prof. Narayan Puneekar (Dept. of Biosci. and Bioengg, IIT Bombay, Mumbai) <i>“Aspergillus niger acidogenic metabolism: A peek at its carbon nitrogen interface”</i>
14:00 PM to 14:30 PM	Dr. Francois Berret (Director of Research CNRS, University of Paris, France) <i>“Environmental Inhaled Nanoparticles in the lungs : Interaction and Induced toxicity”</i>
14:30 PM to 16:30 PM	ORAL & E-SHORT PRESENTATIONS SESSION IV



## Day 3: Saturday, 22<sup>nd</sup> January, 2022

### Technical Session V: Nanotechnology and Drug Delivery

(Chair: Prof. Sudha Srivastava & Co-chair: Dr. Shweta Dang)

9:30 AM to 10:00 AM	Dr. Magan Lord (Assoc. Prof. of Biomed. Engg. & Dir of the Molecular Surface Interaction Network Laboratory at University of New South Wales, Sydney, Australia) <i>"Bioengineered growth factor delivery for vascular applications"</i>
10:00 AM to 10:30 AM	Dr. Ajay Karakoti (Associate Professor, School of Engineering at University of Newcastle, Australia) <i>"Nanoparticles as Versatile Nanozymes: Oxidant and Antioxidant Applications"</i>
10:30 AM to 12:30 PM	ORAL & E-SHORT PRESENTATIONS SESSION V
Break (12:30 PM to 13:00 PM)	
VALEDICTORY, VOTE OF THANKS & CLOSING CEREMONY	
13:00 PM to 14:00 PM	Prof. Hariom Gupta ( Director, JIIT-128, Noida) Org.Secretary: Dr. Shazia Haider (Dept. of Biotechnology, JIIT-Noida)