



**INTEGRAL
UNIVERSITY**
LUCKNOW - INDIA



INTERNATIONAL SEMINAR

ON

APPLICATION OF MICROBES IN SYNTHETIC BIOLOGY AND ALLIED SCIENCES

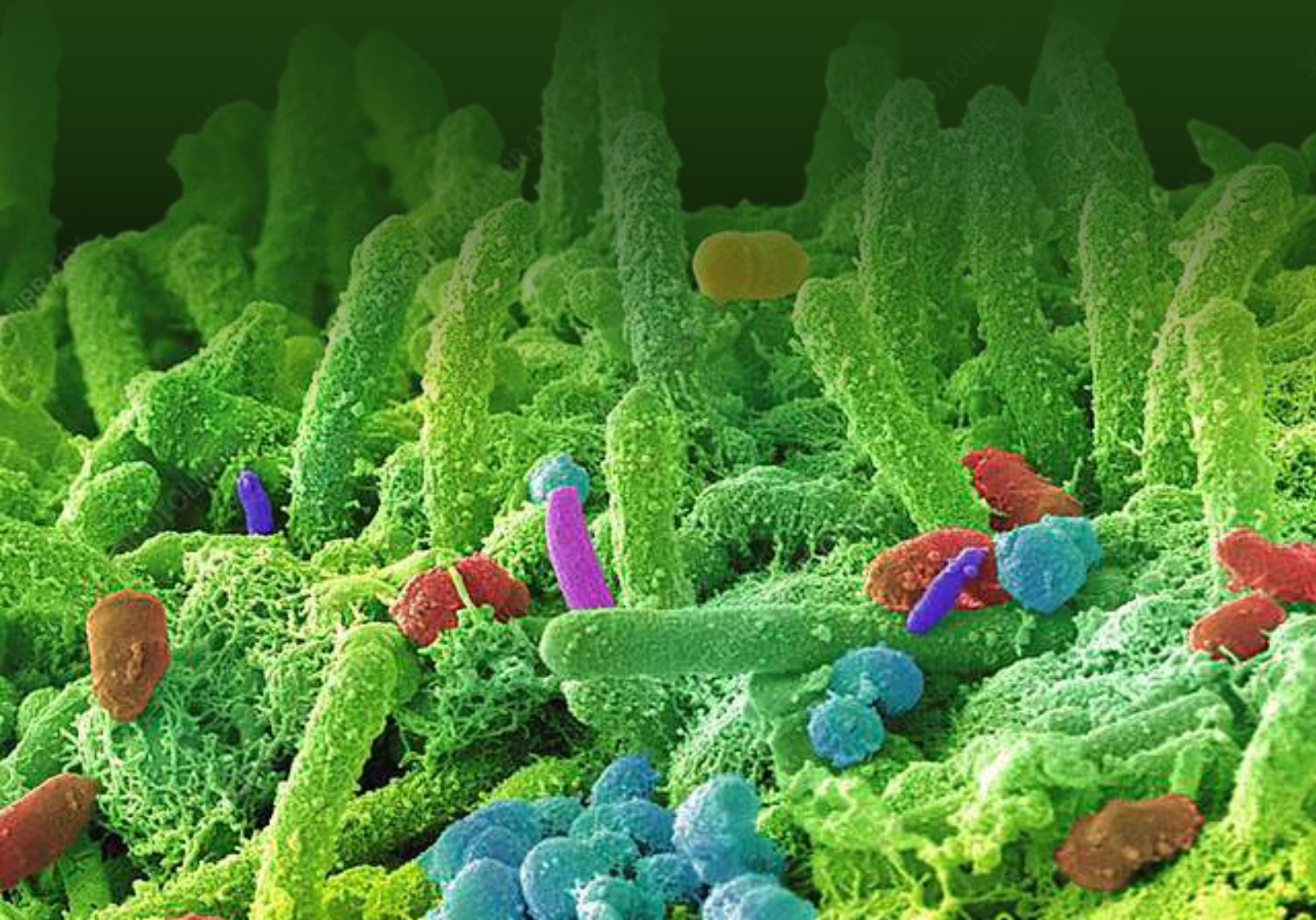
18th SEPTEMBER 2023

ORGANISED BY

DEPARTMENT OF BIOSCIENCES

INTEGRAL UNIVERSITY, LUCKNOW

VENUE : CENTRAL AUDITORIUM



ABOUT THE UNIVERSITY

Integral University is a premier university situated in Lucknow, the capital city of the largest state of India, Uttar Pradesh. It was established under Act Number 9 of 2004 by the State Government. The University is duly approved by the University Grants Commission (UGC) under sections 2(f) and 12B of the UGC Act, 1956 and all relevant statutory bodies. In the recent past, the University has been a recipient of several prestigious awards in the education sector. The university has been accredited A+ by the National Assessment and Accreditation Council (NAAC). The University offers diploma, undergraduate, postgraduate and doctoral programs in all prominent fields like Pharmacy, Engineering, Sciences, Health & Medical Sciences, Commerce & Management, Computer Applications, Agriculture, Law, Architecture & Planning, Education, Library & Information Science and Humanities & Social Sciences. The University offers more than 240 programs across 47 disciplines, and currently hosts around 11000 students at its 120-acre campus. In a lush green, safe, serene and ragging-free environment, the campus provides state-of-the-art hostel accommodation, with the capacity to host 2600 students in the hostels and houses a 550-bedded hospital, as part of the Medical College, with state-of-the-art medical facilities, and more than 200 doctors. The grand Central Library of the University holds more than 100,000 books and several hundreds of journals and magazines. The University currently hosts students from more than 20 countries. Integral University has hosted several diplomats and dignitaries from African and Asian countries and enjoys the trust and support of the embassies on account of its quality education and infrastructure. The guidance and support that the University provides to its students in general and international students in particular, have brought accolades from the diplomatic community and student associations around the world.

ABOUT THE DEPARTMENT

The Department of Biosciences at Integral University has been a fountainhead of research and teaching activities aimed at multidisciplinary understanding of modern biology. Bioscience is the branch of sciences concerned with living organisms and their life processes, from microorganisms to towering trees and gigantic whales. Bioscience technology is a growing and dynamic field that applies life processes to practical uses, such as manufacturing of medical devices and development of new bioscience procedures. From pharmaceutical drugs to pacemakers, genetically engineered plants to gene therapy, bioscience technology is at work all around us. Bioscience research organizations are becoming quite numerous in today's time. Because these organizations have a lot of work to complete, and loads of life-saving discoveries to make, they are progressing more and more each day in their search for helping people live happier, healthier, longer lives. Careers in the bioscience industry are as varied as bioscience products themselves. Biotechnologists work in research, manufacturing and quality control, in analytical labs, in the field of agriculture and pharmaceutical companies.

ABOUT THE SEMINAR

Synthetic biology is a concept defined as construction and reconstruction of microbial system for metabolic pathways and circuits. It involves advanced molecular biology tools related to DNA assembly, genome editing and transcriptional strategies etc. This interdisciplinary field involves biotechnology, genetic engineering, molecular biology, molecular engineering, system biology, membrane science, biophysics, evolutionary and environmental biology.





Use of microbial community as building block have unlocked myriad of applications that have the potential to transform various industries and address critical challenges. The modelling and simulation of natural biological/microbial system integrated with experimental design and validation are key components in transforming the research environment.







This seminar aims to bring together leading experts, researchers, academicians, and industry professionals from around the world to share their knowledge and experiences in harnessing the power of microbes for advancements in synthetic biology and allied sciences.

EVENT HIGHLIGHTS

- Keynote speeches by renowned experts.
- Presentations on recent breakthroughs in synthetic biology.
- Opportunities for networking and collaboration.
- Exhibition showcasing cutting-edge research through Poster Presentation.

CHIEF-PATRON	PATRONS	
 <p>Prof. S.W. AKHTAR FOUNDER & CHANCELLOR Integral University, Lucknow</p>	 <p>Dr. SYED NADEEM AKHTAR PRO-CHANCELLOR Integral University, Lucknow</p>	 <p>Prof. JAVED MUSARRAT VICE - CHANCELLOR Integral University, Lucknow</p>

CO-PATRONS			
 <p>Syed M. Fauzan Akhtar Executive Director IIMSR, Integral University, Lucknow</p>	 <p>Syed Adnan Akhtar Executive Director, DIA Integral University, Lucknow</p>	 <p>Prof. Mohd. Haris Siddiqui Registrar Integral University, Lucknow</p>	 <p>Prof. Abdul Rahman Khan COE, Dean Faculty of Science Integral University, Lucknow</p>

CHIEF GUEST	SPEAKERS	
 <p>Dr. Uttam Kumar Director ICAR-NBFG Lucknow, India</p>	 <p>Prof. Asadullah Khan Professor, Interdisciplinary Biotechnology Unit Aligarh Muslim University, Aligarh, India</p>	 <p>Prof. Pawan Kumar Dhar Professor & Dean, School of Biotechnology Jawaharlal Nehru University, Delhi, India</p>
 <p>Prof. Natesan Manickam Chief Scientist and Professor CSIR-IITR, Lucknow India</p>	 <p>Dr. Kinshuk Srivastava Senior Scientist, Division of Medicinal & Process Chemistry CSIR-CDRI, Lucknow, India</p>	 <p>Dr. S.M. Sivakumar Assistant Professor Jazan University Jazan, Kingdom of Saudi Arabia</p>

REGISTRATION INFORMATION

Registration of participants is mandatory. Duly filled registration form must reach to The Organizing Secretary, Department of Biosciences, Integral University, Lucknow on or before 10th September 2023.

Registration Fee : (Includes conference kit, lunch, and refreshments)

For Faculty/Industry : Rs 500/-

For Students : Rs 300/-

On Spot Registration: Rs 500/-

IMPORTANT DATES

Registration starts : 5th September 2023

Last date of abstract submission : 10th September 2023

WHO SHOULD ATTEND

- Researchers and scientists in the field of synthetic biology.
- Academicians and students pursuing microbiology, biotechnology, and related disciplines.
- Industry professionals interested in exploring the applications of synthetic biology.
- Policy-makers and individuals involved in the ethical and regulatory aspects of synthetic biology.
- Anyone passionate about the intersection of microbes, biology, and technology.

ADVISORY COMMITTEE

- **Prof. Aqil Ahmad**, Advisor to Chancellor, Integral University, Lucknow
- **Prof. Shahabuddin Khan**, Adjunct Professor, Department of Biosciences, Integral University & Professor, Cancer Biology, Laboratory of Animal Research Center, Qatar University, Qatar
- **Prof. Abdul Rahman Khan**, Dean, Faculty of Sciences, Integral University, Lucknow
- **Dr. Manoj Prasad**, Staff Scientist VII, National Institute of Plant Genome Research, New Delhi & Adjunct Professor, Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Hyderabad
- **Prof. Syed Misbahul Hasan**, Director IQAC, Integral University, Lucknow
- **Dr. Shailja Bhattacharya**, Ex-chief Scientist & HoD, Division of Parasitology, Central Drug Research Institute, Lucknow
- **Prof. T. Usmani**, Dean, Doctoral Studies, Integral University, Lucknow
- **Dr. Neelima Garg**, Ex-Director, ICAR-Central Institute for Subtropical Horticulture, Rehmankhera, Lucknow
- **Prof. Syed Aqeel Ahmad**, Head, Director, HRDC, Integral University, Lucknow
- **Dr. Sudhir Shukla**, Director, UP Council of Sugarcane Research, Shahjahanpur
- **Prof. Alvina Farooqui**, Head, Department of Bioengineering, Integral University, Lucknow
- **Dr. Muthukumar M.**, Senior Scientist, ICAR-Central Institute for Subtropical Horticulture, Rehmankhera, Lucknow
- **Mr. Ahmad Raza**, Treasurer, Integral University, Lucknow

CONVENER

Prof. Snober S. Mir, Head, Department of Biosciences

ORGANIZING SECRETARY

Dr. Mohammad Ashfaque, Assistant Professor, Department of Biosciences

PROGRAM COORDINATORS

Dr. Mohammad Khubaib, Assistant Professor, Department of Biosciences

Dr. Mohd. Ikram Ansari, Assistant Professor, Department of Biosciences

Registration Link

<https://www.iul.ac.in/FrmAdvProgramReg.aspx>

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SCAN QR
CODE FOR
REGISTRATION



RECOGNITIONS & APPROVALS



Recognized as a

Scientific & Industrial Research Organisation (SIRO)
by the Ministry of Science & Technology,
Govt. of India

RANKED AMONGST

THE TOP TWO PRIVATE UNIVERSITIES
of Uttar Pradesh in
INNOVATION & RESEARCH
Source : Scimago Institutions Ranking 2019

YOUR Future Choice

Refuse To be Ordinary,
BE AN INTEGRALITE !!