

2024

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Azadi Ka
Amrit Mahotsav

NATIONAL CONFERENCE



National Conference on Emerging Trends in Biotechnology and Food Engineering

April 4th - 5th, 2024

Shri Pradeep Kumar Gupta
Hon'ble Chancellor, Sharda University
and Chairman, SGI



Shri Yatendra Kumar Gupta
Hon'ble Pro-Chancellor, Sharda University
and Vice Chairman, SGI



Prof. Sibaram Khara
Hon'ble Vice Chancellor
Sharda University, Greater Noida



Prof. Parma Nand
Hon'ble Pro-Vice Chancellor
Sharda University, Greater Noida



**Final
Announcement
&
Call for Registration**

Contact Person: Dr. Pankaj Taneja

(Associate Professor)

Dr. Prachi Yadav

(Assistant Professor)

Dr. Nishtha Khansili

(Assistant Professor)

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<https://www.conference-sharda.co.in>





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Shri Pradeep K. Gupta
Hon'ble Chancellor
Sharda University & Chairman,
SGI



Shri Yatendra Kumar Gupta
Hon'ble Pro-Chancellor
Sharda University &
Vice Chairman, SGI



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Prof. Sibaram Khara
Hon'ble Vice Chancellor
Sharda University,
Greater Noida



Prof. Parma Nand
Hon'ble Pro-Vice Chancellor
Sharda University,
Greater Noida

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Dean - SET Sharda University
Greater Noida



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Head, Dept. of Biotechnology
Sharda University, Greater Noida



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Dept. of Biotechnology,
Sharda University, Greater Noida
Former Sr. DDG, Head &
Scientist-G, ICMR, New Delhi



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Distinguished Professor
Dept. of Biotechnology
Sharda University, Greater Noida
Former Vice-Chancellor,
Ravenshaw University, Odisha

Organizing Secretaries



Dr. Pankaj Taneja
Associate Professor
Dept. of Biotechnology
Sharda University, Greater Noida



Dr. Prachi Yadav
Assistant Professor
Dept. of Biotechnology
Sharda University, Greater Noida



Dr. Nishtha Khansili
Assistant Professor
Dept. of Biotechnology
Sharda University, Greater Noida



Mr. Ajeet
Scientist-C
Indian Council of Medical Research
New Delhi



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Ms. Nishtha Agrawal

Mr. Sudhakar

&

Members of TechBiome Club





Dear Colleagues,

It is our great pleasure to extend a cordial invitation to you to participate in the National Conference on Emerging Trends in Biotechnology scheduled to be held during 4th-5th April 2024 at the Sharda University, Greater Noida, Uttar Pradesh, India.

Biotechnology is undergoing a global evolution. The most notable innovations in biotech involve personalized medicine, drug research, artificial intelligence, big data, and synthetic biology. Biotech is disrupting how we approach health, medicine, and agriculture. Even without the impact of COVID-19, several trends in biotech have propelled rapid innovation. Industry expansion has followed such innovation. The global biotechnology market size was estimated at USD 1.37 trillion in 2022 and is expected to reach USD 1.55 trillion in 2023. The market is expected to grow at a compound annual growth rate of 13.96% from 2023 to 2030 to reach USD 3.88 trillion by 2030.

The development of breakthrough health initiatives from biotech will transform our future as we tackle global problems including disease, environmental pollution, and food management. Understanding these trends in biotechnology can help companies capitalize on the explosive growth potential of the industry. But before one can harness the potential of these new technologies and practices, it is essential to understand the context, challenges, and emerging trends around biotech. India is one of the fastest-growing biotechnology markets in the world and is home to some of the leading biotechnology companies. These companies are involved in a range of activities including research and development, production, and commercialization of biotechnology products and services. In 2023, the top 20 biotechnology companies in India have continued to maintain their dominance and are at the forefront of the country's biotechnology sector.

The Department of Biotechnology along with Department of Bio-information, Sharda University, Greater Noida, UP, India has responded to this growing concern by organizing National Conference on Emerging Trends in Biotechnology scheduled to be held during 4th-5th April 2023. During the Conference, discussions will be held and there will be exchange of knowledge among various stake holders i.e. Senior and middle level scientists, Researcher, Postgraduate and Graduate students, researchers from Industry and policy makers from the Government etc. The deliberations of the National Conference will accelerate the research and development in the country in Biotechnology.

The scientific program will consist of keynote addresses, invited lectures, free communications and poster presentations. The Conference will provide excellent opportunity to young scientists, post-doctoral fellows, PhD, Postgraduate and graduate students to interact with the senior scientists, experts, public health personnel, faculty members besides presenting their own findings and to discuss the relevance of these findings.

On behalf of the Organizing Committee, we extend a warm and cordial invitation to you to participate in the National Conference and look forward to receiving your prompt and positive response to our invitation.

Dr. Pankaj Taneja

Dr. Nishtha Khansili

Dr. Prachi Yadav

Mr. Ajit

National Scientific Advisory Committee

Dr. Anil Suri, MGUMST, Jaipur

Prof. Anju Srivastava, University of Delhi, Delhi.

Prof. B C Das, Amity University, Noida.

Dr. Dheer Singh, NDRI, Karnal.

Dr. Mukesh Gupta, NARF-BR, Hyderabad.

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Prof. P C Mali, University of Rajasthan, Jaipur.

Prof. P K Chaturvedi, AIIMS, New Delhi.

Prof. Pradeep Goyal, Rajasthan University, Jaipur.

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Dr. Rakesh Kumar, Shri Mata Vaishno Devi University.

Dr. Rajeev Singh, Jamia Milia Islamia, New Delhi.

Prof. Rajesh Kumar, Central University of Rajasthan, Ajmer.

Prof. Rita Singh, University of Delhi, Delhi.

Dr. Roya Rozati, MHRT, Hyderabad.

Dr. Rupesh Kumar Srivastava, AIIMS, New Delhi.

Prof. S S Chauhan, AIIMS, New Delhi.

Dr. Sanjoy Das, IGNTU, Regional Campus Manipur, Manipur.

Prof. S K Baral, IGNTU, Amarkantak, Madhya Pradesh.

Dr. Taru Sharma, NIAB, Hyderabad.

Dr. Yatender Kumar, NSUT, New Delhi.

Themes of the Conference

The conference will have the following major themes:

<u>Emerging Trends in Biotechnology</u>	<u>Emerging Trends in Food Engineering</u>
Brain Mapping	Alternative Proteins
Autonomous Therapeutic Systems	Nutraceuticals
AlphaFold	Farmhand Organics provides Fermented Foods
Cellular Anti-aging Research	eCommerce in Food Technology
CRISPR-Based Gene Editing	Food Safety and Transparency
Microbiome Manipulation	Personalized Nutrition
Living Medicines	Restaurant Digitization
Lab-Grown Organs	Digital Food Management
Epigenetics and Digital Therapeutics	Food Waste Reduction
Sophisticated Wearables	3D Food Printers
Bioluminescent Imaging	Robotics
Brain-Computer Interface	Lab Grown Meats
Organoid Intelligence	
3D Bioprinting	
Generative AI	
Plastic Eating Bacteria	
Quantum Technology	

Registration

Please registered online through national conference website i.e. <https://www.conference-sharda.co.in> and deposit appropriate registration fee (mentioned below).

Category	On or Before (20/03/2024)	After (20/03/2024)	On Spot
Faculty and Post Doc/Scientist	Rs. 2,000/-	Rs. 2,500/-	Rs. 3,000/-
Ph.D. Student	Rs. 1,000/-	Rs. 1,500/-	Rs. 2,000/-
PG Student	Rs. 500/-	Rs. 1,000/-	Rs. 1,500/-
UG Student	Rs. 500/-	Rs. 1,000/-	Rs. 1,500/-

Method of Payment

Through net-banking via NEFT/ IMPS as per details given below.

Direct Bank Transfer Details:

Bank Name	– ICICI Bank Ltd.
Beneficiary Name	– Sharda University - Seminar
Branch Name	– Krishna Apartment Royal Plaza, Alpha-1, Greater Noida, Gautam Buddha Nagar, UP-201306
Account No.	– 025405005815
IFSC Code	– ICIC0000254
Swift Code	– ICICINBBCTS

Note:

- Delegate Registration Fee includes participation in scientific programme, Registration Kit, Tea/Coffee, Lunch, and social event (s).
- Accompanying person Registration Fee includes all facilities applicable to Delegate except Registration Kit.
- Accommodation will be charged extra.

Accommodation

Because of the shortage of accommodation, we encourage the participants to make their own accommodation arrangements during the conference. However, on request, the organizers may arrange accommodation in hotels/guest houses near the venue - Sharda University, Plot No. 32-34, Knowledge Park III, Greater Noida, Uttar Pradesh 201310.

Many hotels and guest houses cater to all categories of National and International visitors to Delhi-NCR. Thus, it is strongly advisable that booking for accommodation is secured as early as possible to avoid last moment disappointment. Your request for accommodation will be considered only if accompanied by at least one day deposit charge. The tariff will be as follows:

Category	Single Occupancy* (Rs.)	Double Occupancy* (Rs.)
1. Hotel (5 Star)	Rs. 8,000 - 12,000/-	Rs. 6,000 - 8,000/-
2. Hotel (3 Star)	Rs. 5,000 - 6,000/-	Rs. 3,000 - 4,000/-
3. Guest House	Rs. 2,000 - 3,000/-	Rs. 1,000 - 2,000/-
4. Hostel	Rs. 1,000 - 1,500/-	Rs. 6,00 - 1,000/-

* Plus taxes as applicable on the date.

Weather

Weather in Greater Noida, Uttar Pradesh, India in the month of April will be normal pleasant weather. Therefore, participants are advised to be adequately equipped.

Oral Presentation

LCD projectors will be available.

Poster Presentation

Poster stands to accommodate a poster of 4' (height) x 3' (width) will be made available at the venue.

Language

The language of the conference will be English. Simultaneous translation will not be available.

Exhibition

An exhibition of various drugs & devices, scientific equipment's, laboratory supplies and services will be organized at the venue of the meeting.

Cancellation of Registration

A refund (less Rs.1000/- for delegates will be deducted to cover administrative expenses) will be granted to registered participants who are unable to attend, provided written notice is received at the Secretariat on or before 05th March 2024. We regret that any request received after this date will not be considered. It may please be noted that refunds will be issued only at the end of the conference.

Guidelines for Submission of Abstract

The contents of the abstract should include Background/Introduction, Objectives, Methodology, Results, Discussion cum Conclusion and References and the abstract length should be of minimum 3-4 pages. Abstract will be considered for publication only if accompanied by registration fees. The abstract will be submitted online through conference website only.

About the University

Sharda University is a leading educational institution based out of Greater Noida, Delhi-NCR. A venture of the renowned Sharda Group of Institutions (SGI), The University has established itself as a high-quality education provider with a prime focus on holistic learning and imbining competitive abilities in students. The University is approved by UGC and prides itself in being the only multi-discipline campus in the NCR, spread over 63 acres and equipped with world-class facilities. Sharda University promises to become one of India's leading universities with an acknowledged reputation for excellence in research and teaching. With its outstanding faculty, world-class teaching standards, and innovative academic programs, Sharda intends to set a new benchmark in the Indian education system.



About the Department

The Department of Biotechnology was established in 2009 with a vision to make an impact through research and technology-based training. The department has teaching and research programs that encompass various basic and applied aspects of modern biotechnology. The department is successfully running Undergraduate (B.Tech), Postgraduate (M.Sc. and M.Tech), and Ph.D. Program. The scheme of courses has been designed keeping the demand trend in mind. The main objective of the Department is to provide academic training and conduct research in the interdisciplinary areas of biotechnology with particular emphasis on extending the knowledge generated from these studies towards the development of technologies of commercial significance.

All the basic infrastructural facilities needed for conducting teaching and research programs in different areas of Biotechnology have been developed & established in the department. The department consists of classrooms with audio-visual facilities well-equipped Research laboratories, and a special lab for Molecular Biology, Genetic Engineering, Plant Tissue Culture, Microbial technology, Nano-biotechnology, and Bioinformatics. The students undergo project training in modern Biotechnology via Bioinformatics, Genomics, Neurobiology, Nano-biotechnology, Water Management, Cancer Biology, Stem cells, Regenerative Medicine, Plant, and Animal Biotechnology, etc. The Department has research collaboration with national and international organizations and institutions. The department has a strong interdisciplinary research and teaching base in biological sciences and engineering which prepares the student for the industry as well as research programs.

Tourist Attractions



The Pre & Post Conference tourist attractions are also available for all the delegates, those interested may visit the conference website.

Important Dates

Deadline for Submission of Abstract: 20th March, 2024

Deadline for Registration: 20th March, 2024

Deadline for Accommodation Request: 20th March, 2024

