



**Guru Jambheshwar University of
Science & Technology, Hisar**

**'A+' Grade NAAC Accredited State Govt. University
(Established by State Legislature Act 17 of 1995)**

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International Conference on Global Challenges in Environment, Food and Biotechnology for Sustainable Development

February 21-23, 2024



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OVERVIEW

Welcome to the International Conference on Global Challenges in Environment, Food and Biotechnology for Sustainable Development. This conference aims to bring together academicians, experts, researchers, and industry professionals worldwide to discuss and explore innovative solutions for a sustainable future in the fields of food, environment, biotechnology, health and life sciences.

THE UNIVERSITY

Guru Jambheshwar University of Science & Technology, located in Hisar- Haryana, is a renowned institution dedicated to provide quality education in the fields of science, technology, and management. Since inception from 1995, the university offers a wide range of undergraduate, postgraduate, and doctoral programs across various disciplines. With a strong emphasis on research and innovation, the university fosters an environment that encourages students to explore new frontiers of knowledge. The campus has state-of-the-art facilities, including modern laboratories, libraries, and sports facilities. Guru Jambheshwar University of Science & Technology is committed for nurturing talented individuals and preparing them for successful careers in their chosen fields.



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- Dr. Santosh Bhukal, Assistant Professor, Department of Environmental Science and Engineering, GJUS&T, Hisar
- Dr. Anita Kirrolia, Assistant Professor, Department of Environmental Science and Engineering, GJUS&T, Hisar

Join us at the “**International Conference on Global Challenges in Environment, Food and Biotechnology for Sustainable Development**” and be a part of the global movement towards a sustainable future. Together, let's explore innovative solutions and make a positive impact on our planet.

CONTACT DETAILS

For more information, please visit our conference website or contact our organizing committee at www.gjust.ac.in/icefb24.

Email: icefb24@gjust.org



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ABOUT THE CITY

Hisar, originally called Hissar-e-Firoza, was founded by Firoz Shah Tughlaq in 1354 A.D. The name 'Hisar' means 'Fort' in Arabic. Located 167 km west of New Delhi, Hisar offers a range of attractions for history lovers. Besides its historical importance, Hisar is a centre for higher education and research. It houses three major universities, research institutes, colleges, breeding farms, and a thriving industrial & health sector. The city has excellent connectivity through railways and road networks, making travel convenient.

THE ORGANIZING FACULTY

The Faculty of Environmental and Bio Sciences & Technology (FEBST) is committed to cutting-edge research which is evident through its impressive funding opportunities, attracting top-notch scholars and enabling ground breaking discoveries. It consistently produces skilled professionals who contribute significantly to the fields of food, biotechnology, environment, health and life sciences.



ABOUT THE ORGANIZING DEPARTMENTS

Department of Environmental Science and Engineering

The establishment of the Department of Environmental Science and Engineering aligns with one of the university's objectives to promote studies and research in Environmental Studies and Non-Conventional sources. The vision of the department is to achieve sustainable development through excellence and the aim is to provide training for capacity building to address environmental challenges in an eco-friendly manner. Our objectives include offering professional and job-oriented courses, strengthening R&D activities, and providing consultancy and extension services to stakeholders. The faculty members are actively engaged in research in cutting-edge areas of science and technology. We have ongoing research projects supported by government agencies. The department has been selected for the Technical Education Quality Improvement Programme-II (TEQIP-II) of the World Bank and the Special Assistance Programme-II (SAP-II) of the University Grants Commission (UGC), New Delhi, after successfully completing phase-1. Additionally, we have received a FIST Grant from DST for infrastructure development.

Department of Food Technology

The Department of Food Technology focuses on providing quality education and training to meet the increasing demand of the food processing industries. They also strive to develop innovative technologies for the conservation and processing of raw foods with value addition. The department offers various programs, including Ph.D., M.Sc., M. Tech., B. Tech, and B. Voc. in Food Technology to cater to the needs of the food industry. The objective of the program is to train individuals who can contribute to the country's food security. The faculty is actively involved in research funded by different agencies, focusing on areas like cereal science, nutraceuticals, functional foods, fruits and vegetables processing. The department laboratories, including the central instrumentation laboratory, are well-equipped with advanced instruments to support research and practical learning.



Important Dates:

- Abstract Submission Deadline: January 15, 2024
- Notification of Acceptance: January 20, 2024
- Early bird registration: January 25, 2024
- Conference Dates: 21-23 February 2024

Early bird registration

- Registration fee for faculty*	3500/-
- Registration fee for scholars*	2500/-
- Industry person/NRI*	5000/-
- Accompanying person*	1500/-

On the Spot registration

- Registration fee for faculty*	4000/-
- Registration fee for scholars*	3000/-
- Industry person/NRI*	6000/-

Bank Details

Name of Account: International Conference on Global Challenges ICGFEB 2024

Bank: PNB, GJUS&T Branch

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IFSC: PUNB0467400

Link for registration: <https://forms.gle/17duBJB7HtEDtU7N7>

Link for abstract submission: <https://forms.gle/ZubrbkwrZGcS4k157>

Early bird registration is now opened which is available on discounted rate before the early bird deadline. For more information regarding registration fees and procedures, please visit our conference website (www.gjust.ac.in/icefb24).

*Registration: Registration fee includes welcome reception, conference kit, and access to meals during conference days.



Themes:

We invite the scholars to submit their abstracts related to sustainable practices in environment, food, biotechnology, health and life sciences. Abstracts will be published as conference proceedings.

The major sub-themes for the conference include:

- Life cycle analysis and Environmental impact assessment
- Waste Management and Circular Economy
- Carbon sequestration and Climate Change
- Marine resources and energy technology
- Energy conservation and urban planning
- Plant and agricultural biotechnology
- Environmental pollution and control
- Environmental biotechnology
- Microbial biotechnology
- Medical Biotechnology
- Genetic engineering
- Bioremediation
- Omics
- Life science
- Systems biology
- Synthetic biology
- Nanobiotechnology
- One health approach
- Computational biology
- Optimizing Food for Health
- Novel drug delivery system
- Bioinformatics & simulation
- Biodiversity and its conservation
- Food Safety and Novel Food Trends
- Smart and Sustainable Food Packaging
- Novel Food Processing Technology for Healthy Life
- Optimizing Resources Uses/Rationalizing Food Fabrication and by-product valorization
- Green Approaches for Sustainable business practices and social responsibilities



Department of Zoology

Department of Zoology is driven by a vision to instil a deep understanding of animal life and its intricate complexities. M.Sc. Zoology program is designed to provide students with a comprehensive and interdisciplinary education in the field. Emphasizing theoretical knowledge and practical skills, the program equips students with the tools necessary to navigate the multifaceted realms of zoological research, conservation, and education. Our meticulously crafted curriculum covers a broad spectrum of topics, including systematic, fisheries, ecology, genetics, physiology, and conservation biology

Department of Bio & Nano Technology

The department is offering M.Sc. in Biotechnology, Microbiology, Botany and B.Sc.-M.Sc. dual degree in life science is renowned for its excellence in education and research. With state-of-the-art facilities, it provides hands-on experience and fosters a conducive environment for scientific exploration & innovation. It is recognized as one of the best in India. It consistently produces skilled professionals who are contributing significantly in the fields of biotechnology, microbiology, nano science and technology. The department is well-equipped with modern equipment and advanced laboratory facilities. It has dedicated faculty members who are involved in genomics, metabolomics, transcriptomics, and bioinformatics approaches to improve genetically important plants and microbes using recombinant DNA technology. The department also focuses on the development of nano biosensors, conducts studies on the synthesis, application and toxicology of nano materials. It has a strong bioinformatics facility supported by the Department of Biotechnology and the Department of Science & Technology, Ministry of Science & Technology, Government of India. The department has received financial support from various programs such as SAP/DRS-II from UGC, FIST-II from the Department of Science and Technology, and TEQIP III - World Bank Assisted Project.



About the conference:

The International Conference on Global Challenges in Environment, Food and Biotechnology for Sustainable Development is a significant event that brings together academicians, experts, researchers, and professionals from various fields to discuss and address the pressing issues related to food, environment, biotechnology, and life sciences advancements.

This conference serves as a platform for knowledge exchange, collaboration, and innovation in finding sustainable solutions to the challenges faced by global community with the climate change and limited resources. It is crucial to explore and implement strategies that ensure the availability of safe and nutritious food while minimizing the negative impact on environment.

The conference will focus on the intersection of environment, food, biotechnology, health and life sciences recognizing the potential of biotechnological advancements in addressing the complex challenges faced by the agricultural, food and health sectors. It provides a forum for researchers to present their latest findings, share best practices, and discuss emerging trends in sustainable agriculture & health sectors, food production, waste management, and environmental conservation.

Through keynote speeches, panel discussions, and interactive sessions, participants gain valuable insights into the latest research, technologies, and policies that promote sustainable development in the environment, food and biotechnology sectors. The conference also facilitates networking opportunities, fostering collaborations among academia, industry, and government bodies to drive impactful change.

Conference Objectives

- Knowledge Exchange: Foster an environment for the exchange of knowledge, ideas, and research findings among participants.
- Collaboration: Encourage collaboration and networking opportunities among researchers, industry professionals, and policymakers.
- Sustainable Solutions: Explore and showcase sustainable solutions in environment, food, biotechnology, health and life sciences.
- Global Impact: Discuss the global impact of these fields on sustainable development and the achievement of the United Nations Sustainable Development Goals (SDGs).

Conference Highlights

- Keynote Speeches: Renowned experts will deliver speeches on the latest advancements and trends in environment, food, biotechnology, health and life sciences.
- Paper Presentations: Researchers and scholars are invited to present their original research papers, case studies, and findings related to sustainable practices in these fields.
- Poster Presentations: Showcase your research through poster presentations and receive valuable feedback from experts in the field.

Who can attend

- Researchers and faculty, Scholars and students of food, biotechnology, environment, health and life sciences.
- Industry Professionals, from the environment, food, biotechnology, life sciences and health industries.
- Government officials and Policymakers who are involved in sustainable development initiatives.
- Undergraduate and graduate students who are interested in sustainable practices and research.
- NGOs and Non-profit Organizations.