

Registration

Link

<https://ustm.ac.in/upcomingevent/>

Fill the registration form for participation through the above link or scan the QR code. The registration fees should be paid in the form of demand draft in favour of "University of Science and Technology, Payable at SBI, Hatigaan Branch, or in cash along with the registration form. There will be provision for online registration. Fee may be deposited directly to the conference account "UNIVERSITY OF SCIENCE AND TECHNOLOGY MEGHALAYA", A/C No.913010009149908 Payable at Axis Bank, Khanapara Branch, Guwahati-22 (IFSC code: UTIB0001297) or can send via Google pay by scanning the QR code.

Participants can send their registration form along with the bank draft by post or by hand so as to reach the Coordinators on or before 20th April, 2024.

How to Submit Abstracts/Papers

Abstracts (within 250 words, Instructions: article should be in Time New Roman Font, Font Size 12, typed in MS word file. Abstract should bear article title, author, author affiliation, pin code, email of corresponding author and 4-6 keywords) and full paper for Proceedings are invited. Participants are requested to send in their Abstracts and full paper for publication in the proceedings (with ISBN No.) by email (botanyustmnc2024@gmail.com/bedabatidasgupta6@gmail.com)

Accommodation

Accommodation will be provided on request and self payment basis as per the tariff of guest house and hotels

Award and Recognition

- ◆ Best poster presentation
- ◆ Best oral presentation

Organizing Committee

Chief Patron : Mr. Mahbubul Hoque
Chancellor, USTM and Chairman, ERDF

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Convener : Dr. Milu Rani Das, Associate Professor, Dept. of Botany, USTM

Joint Convener :

Dr. Hemen Sarma, Associate Professor and HoD,
Deptt. of Botany, Bodoland University

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Google Pay
(online payment):



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How to Reach

USTM is 35 kms away from Guwahati Airport. USTM is situated in Baridua, Ri-Bhoi in the state of Meghalaya. USTM is 13 kms away from Guwahati Railway Station. Guwahati is well connected by road, air and train services from all parts of the country.

Campus

Techno City, Khanapara, Kling Road, Baridua,
9th Mile, Ri-Bhoi, Meghalaya - 793101



Unveiling Excellence

International Conference on “Emerging Frontiers in Biological Sciences: Focus on Climate Change, Agrotechnology and Entrepreneurship”

Organized by

Department of Botany

UNIVERSITY OF SCIENCE & TECHNOLOGY MEGHALAYA

Accredited 'A' Grade by NAAC

In collaboration with



BODOLAND UNIVERSITY



BOTANICAL SOCIETY OF ASSAM



Date: 15th to 17th May, 2024

Venue : USTM Campus

Invitation

The organizing committee welcomes you to attend the conference on “Emerging Frontiers in Biological Sciences: Focus on Climate Change, Agrotechnology and Entrepreneurship” during 15 to 17th May, 2024 at USTM, Meghalaya, India. We are delighted to invite all the participants who are interested in sharing their knowledge of research in the areas of Biological Sciences. The conference anticipates more than 200 participants around the country and abroad with Oral and Poster presentation.

About the Conference

The International conference on “Emerging Frontiers in Biological Sciences: Focus on Climate Change, Agrotechnology and Entrepreneurship” is knowledge, technology and innovation based conference organized by Department of Botany, University of Science and Technology Meghalaya (USTM). With the newly created control methods, ideas and scientific discoveries this conference focuses to boost up the knowledge to develop interdisciplinary approaches that integrate biological sciences, climate science, and engineering to design and implement sustainable solutions for mitigating the impacts of climate change on ecosystems and agriculture. Researchers and scientists joining in this program will play a crucial role in pushing the boundaries of knowledge, paving the way for groundbreaking discoveries and applications that have the potential to shape the future of medicine, agriculture, environmental conservation and sustainable development.

Objectives

- ❖ To explore the impact of climate change on biodiversity and ecosystems.
- ❖ To investigate innovative agrotechnological solutions that enhance crop resilience, yield, and sustainability in the face of climate variability, aiming to address global food security challenges.
- ❖ To examine the role of microorganisms in promoting soil health and nutrient cycling for sustainable agriculture.
- ❖ To identify and characterize novel bioindicators and biomarkers associated with climate change effects on biological systems, providing valuable insights into ecosystem health and potential early-warning systems.
- ❖ To develop interdisciplinary approaches that integrate biological sciences, climate science, and engineering to design and implement sustainable solutions for mitigating the impacts of climate change on ecosystems and agriculture.
- ❖ To foster collaborations between biologists, agronomists, and entrepreneurs to drive the development and implementation of cutting-edge technologies and practices in agrotechnology, with a focus on creating viable business models.
- ❖ To evaluate the ethical and societal implications of emerging biological technologies related to climate change and agrotechnology, ensuring responsible and sustainable practices in research, development, and implementation.

Themes

1. Climate Change and Biodiversity Preservation
2. Transforming Agriculture for a Sustainable Future
3. Entrepreneurship in Biotechnology: Nurturing Innovations for Global Challenges
4. Microbial interactions in Climate Resilience
5. Genetic Engineering and Climate Adaptation
6. Biological Solutions for Waste Management in Agrotechnology

7. Eco-friendly Innovations for entrepreneurship
8. Biological Data Science
9. Aquatic Biology and Climate Change
10. Biosecurity in Agrotechnology: Safeguarding Global Food Systems
11. Community-Based Conservation
12. Genetic Diversity and Breeding Innovations
13. Post harvest technologies
14. Green Biotechnology and Carbon Sequestration: Biological Solutions for Climate Mitigation
15. Bioinformatics and Climate Modeling
16. Social Entrepreneurship in Agribusiness
17. Biological Pest Control: Sustainable Alternatives to Chemical Solutions

About USTM

The University of Science and Technology, Meghalaya (USTM) has been established under the provision of the University of Science and Technology, Meghalaya Act (No.6 of 2008) enacted by Legislative Assembly of Meghalaya and notified vide gazette notification No LL(B) 87/2008/21, Dated 02.12.2008 of the Government of Meghalaya. The University is set up with a mission to become one of the premier universities in the country by bringing together the leading academicians, researchers, entrepreneurs, thinkers, administrators, corporate and other stakeholders in an endeavor to synergize their expertise with a view to impart World class education exploring opportunities and talents of the Northeast region, thereby, creating a centre of cutting edge research and societal development in order to pay a significant part of the process towards building scientific temperament and a knowledge capital.

About Department of Botany

The Department of Botany is one of the active departments of the university working in various fields of Higher and lower plant Ecology, Plant Taxonomy, Microbiology, Plant Physiology and Biochemistry, Plant Genetics, Plant Biotechnology, Plant Pathology etc. The Department offers full time B.Sc., M.Sc. and Ph.D. in Botany. The Department has a well-established laboratory.

About Department of Botany, Bodoland University

Bodoland University is a state university established under the Bodoland University Act, 2009 of the Assam Legislative Assembly on 28th February 2009. It is one of the growing universities in lower Assam and the Department of Botany was established in 2014 and offers M.Sc. degree and Ph.D. programme in Botany. The Department emphasizes to promote integrated understanding and utilization of plants in various conventional and frontier areas of Botany.

About Botanical Society of Assam (BSA)

The Botanical Society of Assam is a platform of all plant lovers of North East India in general and Assam in particular. It was established in the year 1992 with an aim to promote Botanical society and research in different levels of education by publishing research journal, bulletin, and popular magazine and also by holding discussions, seminars, popular talk etc. It also joins with state as well as national level bodies to create awareness towards safeguarding our nature.

Important Dates & Standard Registration Fee for Delegates

Particulars	Registration by 20.04.2024	Registration after 20.04.2024
Abstract opening date	19/02/2024	
Abstract submission closing date	20/04/2024	
Notification of Accepted papers	25/04/2024	
Early Bird registration deadline	20/04/2024	
Late Bird registration deadline	30/04/2024	
Particulars	Registration by 20.04.2024	Registration after 20.04.2024
Academician, Scientists and others	INR 1700 (Online) INR 2000 (Offline) 100\$ (Foreign delegates)	INR 2200 (Online) INR 2500 (Offline) 120\$ (Foreign delegates)
Research Scholars	INR 1200 (Online) INR 1500 (Offline) 50\$ (From outside India)	INR 1700 (Online) INR 2000 (Offline) 70\$ (From outside India)
Students	INR 700 (Online) INR 1000 (Offline)	INR 1000 (Online) INR 1200 (Offline)