

FIRST CIRCULAR



Unveiling Excellence

# International Earth Science Conference 2022

## **Sustainable Development : Challenges and the Way Forward**

*Organised by*  
**Department of Earth Science**  
**UNIVERSITY OF SCIENCE & TECHNOLOGY MEGHALAYA**  
(Accredited 'A' Grade by NAAC)



*In collaboration with*  
**Department of Environmental Science**  
**TEZPUR UNIVERSITY**  
(Central University Accredited 'A' Grade by NAAC)



Date : October 20-22, 2022

Venue : Department of Earth Science, USTM



## About USTM

University of Science & Technology Meghalaya (USTM) is the first state private University on science & technology in the entire North East India, sponsored by ERD Foundation, Guwahati. The University has been established in a picturesque landscape surrounded by tranquil greenery in Assam-Meghalaya at 9th mile, Meghalaya. It is about 85 km from Shillong, the Capital of Meghalaya & 6 km from Dispur, the Capital of Assam.

The University is empowered by UGC to award degrees under section 22 of the UGC Act, 1956.

The university has been involved for more than 10 years in pursuing research on frontier areas of innovation emphasizing the present needs. Invention and entrepreneurship have remained the primary focus. The University is directing its efforts to create the much needed Science & Technology manpower to foster relentlessly the economic and social development of the region in an inclusive manner. USTM is accredited 'A' grade by NAAC in the first cycle of assessment in 2021.

## About Department of Earth Science

Department of Earth Science is one of the active departments of the university working in various fields of Environment, Geography, Biodiversity & Wildlife, Disaster Management, Natural Resource Management, and Sustainable Development, etc. The Department offers a full-time Post Graduate Degree in M.Sc. Environmental Science and M.A./M.Sc. Geography; and Ph.D. in Environmental Science and Geography. The Department has a well-established laboratory with GIS facility.

## About Tezpur University

Tezpur University was established by an Act of Parliament in 1994. The objectives of this Central University as envisaged in the statutes are that it shall strive to offer employment oriented and interdisciplinary courses to meet the local and regional aspirations and the development needs of the state of Assam and also offer courses and promote research in areas which are of special and direct relevance to the region and in emerging areas in Science and Technology.

The University campus is located at Napaam, about 15 km east of Tezpur, the head quarter of Sonitpur District of Assam. This NAAC 'A' grade University has been awarded as the Visitor's Best University in 2016.

## About Department of Environmental Science, Tezpur University

The department of Environmental Science was established in January 2004 with the objective of imparting education on regional and global environmental issues. The department offers two academic programmes M.Sc. and Ph.D. in Environmental Science. The curriculum for M.Sc. and Ph.D. programmes focuses on all-important aspects of Environmental Science, covering contemporary problems of nature conservation and environmental quality. Keeping in view the unique physiographic and agro-climatic settings of Northeast as a whole and Assam in particular, the department gives emphasis in teaching and research on various aspects of agro-ecosystem and hill ecosystems of Northeast India.

## About the Conference

In September 2015, 193 countries came together at the United Nations to adopt and commit to a long-term, comprehensive strategy to tackle the world's greatest challenges related to global sustainable development. The result was the Sustainable Development Goals, a list of 17 goals for an inclusive, just and sustainable society in 2030. Although some good results have been achieved in the past years, it is realized that a lot still needs to be done in the next nine years. The creativity, knowhow, technology and resources from all of society are necessary to achieve the SDGs in every context.

This conference (in blended mode) intends to invite scholars, academics, and representatives from different organizations/departments into a common platform to share knowledge and address challenges in sustainable development. Major objective is to find ways to resolve the issues. The sub-themes have been identified to reflect a broad spectrum of issues pertaining to sustainable development.



## Sub-themes of the Conference

1. Barriers and opportunities of sustainable development & SDGs
2. Climate change: adaptation and resilience for sustainability
3. Traditional knowledge and practices for sustainable livelihood
4. Resource management and ecological conservation for sustainability
5. Hazards and disaster management
6. GIS and Remote Sensing in Earth Sciences for sustainable development
7. Covid impact and development options.

*Authors are requested to submit an abstract of original research work in English within 300 words with 3-5 keywords.*

*Guidelines for writing full paper will be sent to authors after acceptance of abstract.*



### Important dates

Last date of abstract submission ( <i>soft copy</i> )	30 <sup>th</sup> April, 2022
Intimation of acceptance	10 <sup>th</sup> May, 2022
Last date of full paper submission ( <i>softcopy</i> )	30 <sup>th</sup> June, 2022
Last date of revision of full paper (for edited book volume)	30 <sup>th</sup> July, 2022
Online registration closes*	30 <sup>th</sup> July, 2022
Conference dates	20 <sup>th</sup> - 22 <sup>th</sup> October, 2022

*Online registration is going on. Registration will be complete after payment of necessary fee.*

### Registration fee details

Particulars	Online	Offline#
Participation (students and research scholars) without paper	Rs 300	Rs 1000
Participation (faculties & academia) without paper	Rs 500	Rs 1200
Paper presentation (Students and research scholars)	Rs 800	Rs 1200
Paper presentation (faculties, academia & others)	Rs 1000	Rs 1500

*#Fee includes conference kit, refreshment and lunch on conference days.*

*Selected abstracts will be published in abstract volume.*

*Hardcopy certificates will be awarded to all registered participants/ paper presenters.*

*Selected papers will be published (after editing) in an edited book volume with ISBN.*

*Publication fee (extra, to be paid later) is Rs 1000 only which includes one copy of book volume.*

*Accommodation will be provided to interested participants/ presenters in USTM guest house/ hostels and nearby Hotels at nominal fee (extra).*

**Registration fee** (non-refundable) should be paid through online transaction

#### Bank account details:

- Name of the Account Holder:  
University of Science & Technology, Meghalaya
- A/c No : 911010060610980
- Bank : Axis Bank
- Branch : Khanapara
- IFSC : UTIB0001297

**Registration link:** <https://forms.gle/z9ZNXUXmNz4KEGjU7>

### Organizing Committee

#### Chief Patron

M. Hoque, Hon'ble Chancellor, USTM

#### Patron

Prof. (Dr.) V. K. Jain, Hon'ble Vice Chancellor, Tezpur University

#### Chairperson

Prof. (Dr.) G. D. Sharma, Hon'ble Vice Chancellor, USTM

#### Convener

Dr. Lalit Saikia, Department of Earth Science, USTM

#### Co-conveners

Dr. Palme Borthakur, Department of Earth Science, USTM

Dr. Sumi Handique, Dept. of Environmental Science, TU

#### Organizing Secretaries

Dr. E. A. Huda, Dept. of Earth Science, USTM

Dr. Nirmali Gogoi, Dept. of Environmental Science, TU

#### Sub-committee in-charges

##### Finance and Accounts

Dr. Nurujjaman Laskar, CoEA, USTM

##### Transportation and accommodation

Mr. Shamim Goney, Deputy Registrar, USTM

##### Advertisement and publicity

Mr. Shamikhu Changmai

Dr. Swarup Jyoti Baishya

##### Registration

Dr. Kankana Borah, Dr. Semim Wara Begum

##### Abstract Volume

Dr. Anindita Bhattacharya

##### Members

Mr. Kitboklang Sun

Dr. Akansha Borgohain, Mr. Dhruva Jyoti Neog



## Local Advisory Board

1. Dr. R. K. Sharma, Advisor, USTM
2. Dr. Balendra Kumar Das, Director, Administration, USTM
3. Prof. Raza R. Hoque, HoD, Environmental Science, Tezpur University
4. Prof. E. Karim, Dean, School of Applied Sciences, USTM
5. Prof. Inanashree Borah, Dept. of Earth Science, USTM

6. Prof. Bhaben Chandra Kalita, Dept. of Earth Science, USTM
7. Mrs. Anju Hazarika, Registrar, USTM
8. Dr. A. H. Barbhuiya, Academic Registrar, USTM
9. Ms. Mehjabeen Rahman, Principal Secretary, USTM
10. Ms. Polly Borgohain, Director, University Classes, USTM
11. Dr. Monalisa Bora Deka, Joint Director, IQAC, USTM

## National Advisory Board

1. Prof. D. Nagesh Kumar, Dept. of Civil Engineering, IISc, Bengaluru
2. Prof. Dibakar Chandra Deka, Hon'ble VC, Madhabdev University, Assam
3. Dr. Abhijit Mukherjee, Dept. of Geology and Geophysics, IIT Kharagpur
4. Prof. Chandan Mahanta, Department of Civil Engineering, IIT Guwahati
5. Prof. Jayant K. Tripathi, School of Environmental Sciences, JNU
6. Prof. Akram Javed, Department of Geology, Aligarh Muslim University
7. Dr. P. K. Singh, Centre of Advanced Study in Geology, Banaras Hindu University
8. Dr. Ajanta Goswami, Department of Earth Sciences, IIT Roorkee
9. Dr. Alok Kumar, Department of Environmental Studies, University of Delhi
10. Prof. B. S. Mipun, Department of Geography, NEHU, Shillong
11. Prof. Ashok Borah, Department of Geography, Gauhati University
12. Prof. Parthankar Choudhury, Dept. of Ecol. & Env. Sc., Assam University
13. Dr. Taje Rupa Sora, Dept. of Geography, Rajiv Gandhi University, Itanagar

## International Advisory Board

1. Prof. Vijay P. Singh, Texas A&M University, USA
2. Prof. Basant Maheshwari, Western Sydney University, Australia
3. Prof. Govindaraju Rao, School of Civil Engineering, Purdue University, USA
4. Prof. R. P. Rudra, University of Guelph, Canada
5. Dr. Mohammad Farooq, Sultan Qaboos University, Oman
6. Dr. Khawar Jabran, Nigde Omer Halisdemir University, Turkey
7. Dr. Anastasia Konstantinova, Peoples' Friendship University of Russia, Russia
8. Dr. Ram Avtar, Hokkaido University, Japan
9. Dr. Rituparna Bhattacharyya, Advance HE, UK
10. Dr. Amado Enrique Navarro Frómata, Technological University of Izúcar de Matamoros, Mexico
11. Dr. VAN Pham Dang Tri, Can Tho University, Vietnam
12. Dr. Neegar Sultana, Jagannath, University, Bangladesh

## Correspondence

**Abstract should be mailed to**  
[earthscienceustm@gmail.com](mailto:earthscienceustm@gmail.com) with copy to [saikiadrlalit@gmail.com](mailto:saikiadrlalit@gmail.com)

*For any other matter, please contact*

### Convener

e-mail: [lalitsaikia2008@gmail.com](mailto:lalitsaikia2008@gmail.com)  
Mobile: +91-8134884439

### Co-Convener

e-mail: [palme.borthakur@gmail.com](mailto:palme.borthakur@gmail.com)  
Mobile: +91-9508558080

### Organizing Secretaries

e-mail: [ea.huda@gmail.com](mailto:ea.huda@gmail.com)  
[nirmalievs@gmail.com](mailto:nirmalievs@gmail.com)

## How to reach USTM from Guwahati, Assam

City Bus, taxi & auto services are available from Inter State Bus Terminus (ISBT), Railway station and LGBI Airport. USTM campus is situated at a distance of 40 km from LGBI Airport, 12 km from ISBT, 8 km from Guwahati railway station and 3 km from Khanapara. The best landmark is the upward road (Kling Road) from the 2nd Gate of CRPF Group Centre GS Road, 9th Mile, Khanapara. Distance from the CRPF Gate to USTM is 1 km.

## Weather of USTM

Average weather condition of USTM campus is similar to that of Guwahati. Average minimum temperature in Guwahati in October is 20°C. Average maximum temperature lies around 30°C.



## Campus

Techno City, Khanapara, Kling Road, Baridua, 9th Mile, Ri-Bhoi, Meghalaya- 793101  
Phone: 9508 444 000/0361-2895030/098540-23060, E-mail : [ustm2011@gmail.com](mailto:ustm2011@gmail.com), Web : [www.ustm.ac.in](http://www.ustm.ac.in)