

# EARTH SCIENCE LECTURE SERIES

## Contemporary and Emerging Issues of Geography and Environmental Science

6<sup>th</sup> October -- 6<sup>th</sup> December'2021



**Background:** University of Science and Technology, Meghalaya (USTM) has been trying to maintain quality education and guidance to its students. Online lecture series aim to compensate learning of their respective curriculum during Covid-lockdown through online lectures by expert faculties from reputed institutes.

Earth Science lecture series provides an opportunity for online lectures on contemporary and emerging topics of Geography and Environmental Science.

### About the University

The University of Science & Technology, Meghalaya (USTM) is the first State Private University on Science & Technology in the entire North East India. The University has been established in a picturesque landscape surrounded by tranquil greenery in Assam-Meghalaya at Baridua, 9th mile, Meghalaya. The University is empowered by the UGC, to award degrees as specified by the UGC under section 22 of the UGC Act, 1956. The university has been involved for more than 10 years in fulfilling the aspirations of young mind by imparting quality education. Further, the university is involved in high value research emphasizing required needs as well as in pursuing frontier areas of research innovation.

### About Department of Earth Science

Department of Earth Science is one of the active departments of the University working in various fields of Environment and Geography. 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 a GIS facility.

**Target group:** Post graduate students and research scholars of Geography and Environmental Science

**Chief Patron:** Shri M. Hoque, Chancellor, USTM

**Patron:** Prof. (Dr.) G. D. Sharma, Vice Chancellor, USTM

**Advisory Committee:** Mrs. Anju Hazarika, Registrar, USTM

Dr. A. H. Barbhuiyan, Academic Registrar, USTM

Dr. N. Laskar, Controller of Examinations, USTM

Prof. Enamul Karim, Dean, School of Applied Sciences, USTM

Polly Borgohain, Director, University Classes, USTM

**Chairperson:** Prof. Jnanashree Borah, Department of Earth Science, USTM

Lecture: 1

**Dr. Monoj Hazarika**

Professor, Department of Geography,  
Cotton University



Topic:  
Economic Advancement  
and our Environment-  
Global Perspective

Date: 06.10.2021  
Time: 2 – 3 pm

Lecture : 2

**Prof. Mary Tahir**

HoD, Department of  
Geography, Jamia Millia  
Islamia, New Delhi



Topic:  
Climate Change and  
Environmental Degradation

Date: 08.10.2021  
Time: 11 am – 1pm

Lecture: 3

Dr. Ajanta Goswami

Associate professor,  
Department of Earth  
Science,  
IIT Roorkee



Topic:  
Snow and Ice Cover of  
Himalaya: Its dynamism  
and Impact on  
downstream  
Date: 08.10.2021  
Time: 2 – 3 pm

Lecture: 4

**Prof. Hemanta  
Hazarika**

National University  
Corporation, Faculty of  
Engineering, Kyushu  
University, Japan



Topic:  
Earthquake Risk  
Management

Date: 16.10.2021  
Time: 2 – 3 pm

Lecture: 5

**Prof. Madhushree Das**

Department of Geography,  
Gauhati University



Topic:  
Social Geography

Date: 20.10. 2021  
Time: 1 – 2 pm

Lecture: 6

**Prof. Nilanchal Patel**

Department of Remote  
Sensing, Birla Institute of  
Technology, Ranchi,  
Jharkhand



Topic: Remote Sensing and  
GIS

Date: 21.10.2021  
Time: 2- 3 pm

Lecture: 7

**Prof. Akram Javed**

Department of Geology  
Aligarh Muslim  
University



Topic:  
Applications of Remote  
Sensing and GIS in  
watershed management

Date: 01.11.2021  
Time: 11 am – 12 Noon

Lecture: 8

**Dr. Abhijit Mukherjee**

Department of Geology and  
Geophysics,  
IIT Kharagpur



Topic:  
Earthquake Risk  
Management

Date: 03.11.2021  
Time: 2 – 3 pm

Lecture: 9

**Dr. Neegar Sultana**

Associate Professor  
Department of Geography  
and Environment  
Jagannath University,  
Dhaka, Bangladesh



Topic:  
Landslide Hazard and  
Mitigation

Date: 5.11. 2021  
Time: 3-4 pm

Lecture: 10

**Prof. Abani Kumar  
Bhagabati**

Department of Geography,  
Gauhati University



Topic: India's North East;  
Geographical Perspectives  
on Human-Environment  
Relationship

Date: 16.11.2021  
Time: 2-4 pm

Lecture: 11

**Dr. B. R. Suchiang**

Scientist, Institute of Forest  
Productivity, Ministry of  
Environment, Forest &  
Climate Change, GoI,  
Ranchi, Jharkhand



Topic: Carbon  
Sequestration  
Date: 20.11.2021

Time: 2 – 3 pm

Lecture: 12

**Prof. Barnali Gogoi**

Cotton University,  
Guwahati



Topic: Environmental  
Policies

Date: 24.11.2021

Time: 2-3 pm

**Organizing Secretary:** Dr. Eahya Al Huda, HoD, Department of Earth Science, USTM

**Coordinator:** Dr. Lalit Saikia, Asst. Prof. & IQAC coordinator, Department of Earth Science, USTM

**Moderators:** Dr. Palme Borthakur, Dr. Swarup Jyoti Baishya, Mr. Shamikhu Changmai, Dr. Kankana Borah, Dr. Anindita Bhattacharya, Mr. Kitboklang Sun

*Interested students/research scholars should fill the form in link below for*

**FREE REGISTRATION**

<https://forms.gle/NFUGTw3p88F7WQXx7>

**Updates and detail information on lectures will be informed to registered participants through Whatsapp.**

Lecture: **13**

**Prof. R. R. Hoque**

Department of  
Environmental Science  
Tezpur University



Topic: Atmospheric  
Chemistry

Date: 27.11.2021

Time: 2 – 3 pm

Lecture: **15**

**Dr. Temsulemba  
Walling**

Department of Geology  
Nagaland University



Topic: Geological  
Hazards

Date: 04.12.2021

Time: 2 – 3 pm

Lecture: **14**

**Dr. Rituparna  
Bhattacharyya,**

Editor in Chief (Joint),  
Journal of Space and  
Culture, Newcastle, UK



Topic:  
Political Geography: Indo-  
Naga Peace Agreement

Date: 30.11.2021

Time: 3-4 pm

Lecture: **16**

**Prof. Vijay P. Singh**

Department of Biological  
and Agricultural  
Engineering, Texas A&M  
University, USA



Topic: Hydrologic Impacts of  
Climate Change

Date: 06.12.2021

Time: 3.30 pm (tentative)