

International Seminar  
on

# Sustainable Technologies for River Erosion Alleviation and Management (STREAM-2022)

Jointly organized by  
**Brahmaputra Board**  
(Under Ministry of Jal Shakti, Govt of India)  
&  
**Indian Institute of Technology Guwahati**  
(Department of Civil Engineering)



Academia-Industry  
Conclave Networking

Venue  
Guwahati/Kaziranga

14<sup>th</sup> December 2022-16<sup>th</sup> December 2022

Conference website  
<http://event.iitg.ac.in/stream22/>



Selected Papers will be published in an edited Book Volume  
in addition to an Abstract Volume of All accepted papers

## ABOUT THE CONFERENCE

In the Anthropocene era, river bank erosion and flooding are among the critical environmental problems and have been found to increase at a faster rate due to changes in climatic conditions, geomorphological features, and escalation in anthropogenic activity. With long experiences of success and failure, various new ideas have evolved and many are implemented on pilot basis globally. Holistic approach with due emphasis on ecological sustainability and socioeconomic viability should be promoted and standardized for better future. Keeping this in mind, this conference is being organized to provide a platform for discussion among various relevant disciplines so that some meaningful practical strategies can be evolved for the management of floods and erosion in a sustainable way.

## ABOUT BRAHMAPUTRA BOARD

Brahmaputra Board is a statutory body, set up by an Act of Parliament, under the Ministry of Jal Shakti, Government of India. The functional jurisdiction of Brahmaputra Board covers all North Eastern States including Sikkim and part of West Bengal. It carries out planning and integrated implementation of measures for control of flood and bank erosion in Brahmaputra and Barak river basins. The NEHARI (North Eastern Hydraulic & Allied Research Institute) is a part of Brahmaputra Board carrying out hydraulic model study, consultancy services and conduct capacity building exercise.  
[brahmaputraboard.gov.in]

## ABOUT IIT GUWAHATI

IIT Guwahati is one of the leading institutes of technology and excellence in India. Established in 1994, IIT Guwahati has world class infrastructures for carrying out advanced research and is equipped with state-of-the-art scientific and engineering equipment. The campus spreads on a sprawling 285 hectares on the north bank of the River Brahmaputra around 20 km from the heart of the Guwahati city. The Department of Civil Engineering, IIT Guwahati has been consistently working for addressing various Civil Engineering issues including flood and erosion in North East India.  
[www.iitg.ac.in]

## STREAM-2022

## CONFERENCE PROGRAM:

## STREAM-2022

The conference will be held for three days. The inauguration will be held on day one, which further will be followed by technical sessions. Day two will have technical sessions, followed by a Panel discussion on "problem faced and success story". Day three will start with field visit to some erosion affected areas on the way to Kaziranga, where the Panel Discussion on "flood, erosion management and impacts on socioeconomic aspects" will be conducted. The technical session will be focused on five themes, the first two themes will be covered on day one, and the rest on day two. There will be keynote sessions in the conference, and each technical session will have one invited lecture.



NEHARI (Brahmaputra Board)

## CONFERENCE THEMES

- ✓ **Bioengineering for Controlling River Bank Erosion**
- ✓ **Modelling, Simulation and Flood Risk Management**
- ✓ **Ecological Management Practices (EMPs) for Catchment Management**
- ✓ **Early Warning System, Climate change issues and Disaster Preparedness**
- ✓ **Methods, Materials and policy issues in flood and Erosion**

**REGISTRATION FEES**

- ✓ Professionals: 1500.00 (INR)
- ✓ Students: 750.00 (INR)

**IMPORTANT DATES**

- ✓ Submission of abstract : 15<sup>th</sup> October, 2022
- ✓ Acceptance of abstract: 30<sup>th</sup> October, 2022
- ✓ Last date of registration: 15<sup>th</sup> November, 2022
- ✓ Full paper submission: 15<sup>th</sup> November, 2022

**CONFERENCE VENUE**

- ✓ 14th -15th December at Guwahati
- ✓ 16th December at Kaziranga

**ACCOMMODATION**

Contract person

- ✓ Jutika Kakoty  
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- ✓ Shakti Kalyani  
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**ADDRESS FOR COMMUNICATON**

Chair (STREAM-2022)  
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**INTERNATIONAL TECHNICAL ADVISORY COMMITTEE**

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- Prof. Rajesh Srivastava, Indian Institute of Technology Kanpur
- Prof. B. R. Chahar, Indian Institute of Technology Delhi
- Prof. C.S.P. Ojha, Indian Institute of Technology Roorkee
- Prof. Sarada K. Sarma, Imperial College, London

**KEYNOTE SPEAKER**

Key note speakers from different part of the Globe including eminent speakers from Southeast Asia will be delivering talk covering both practical and theoretical aspects of the themes .

**CONFERENCE PUBLICATION**

*An Abstract Volume containing extended Abstract of all accepted papers will be published during the conference .  
Selected full papers will be published in a Book Volume through Reputed Publisher like Springer.*

**Exhibition**

*Product or Innovation relevant to the themes can be exhibited*

**STEERING COMMITTEE****Patron:**

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IIT Guwahati

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IIT Guwahati