



IIT (ISM)
DHANBAD
1926-2026



अनुसंधान नेशनल रिसर्च फाउंडेशन
Anusandhan National Research Foundation

NATIONAL SEMINAR

WATER NEXUS 2025:

BRIDGING SURFACE AND GROUND WATER
RESOURCES - UTILIZATION AND MANAGEMENT

“Conserve Today, Thrive Tomorrow”



MAY 16-17, 2025



SIR M VISVESVARAYA SEMINAR HALL,
DEPT. CIVIL ENGINEERING,
3rd FLOOR, NEW ACADEMIC BUILDING
IIT (ISM) DHANBAD

Organized By:

Department of Civil Engineering
Indian Institute of Technology (ISM), Dhanbad

“Every Drop of Water Matters!”

“Save Water-Elixir of Life”

Welcome Message

DEAR ALL

On behalf of the
Department of Civil Engineering
at the Indian Institute of Technology (ISM), Dhanbad,
it is our pleasure to invite you to the
NATIONAL SEMINAR ON WATER NEXUS-2025
to be held on the
May 16-17, 2025, at IIT (ISM) Dhanbad.

The Theme of the seminar is
“Bridging Surface and Groundwater Resources - Utilization and
Management”

Water Nexus 2025 aims to bring together researchers, academicians, practitioners, and policymakers from pan India to explore, discuss, and address the latest challenges and innovations in surface and groundwater resource management. This seminar provides a collaborative platform to exchange ideas and find sustainable solutions to the pressing issues affecting our precious water resources.

We warmly invite you to participate in the seminar, offering a comprehensive experience in scientific learning and networking.

We look forward to your participation in “Water Nexus-2025.”

Thanks and Best Regards



Convenor
Prof. Renu V
Assistant Professor (CE)
Department of Civil Engineering
IIT (ISM) Dhanbad



Chairperson
Prof. Srinivas Pasupuleti
Head of the Department
Department of Civil Engineering
IIT(ISM) Dhanbad

About IIT(ISM) DHANBAD



The Indian Institute of Technology (Indian School of Mines) Dhanbad is in the prime coking coal belt of India, which is about 260 km away from Kolkata. The IIT(ISM) Dhanbad has a heritage of a world-class academic institute and is fully residential. Earlier known as the Indian School of Mines, Dhanbad, the institute was formally opened on 9th December 1926 by Lord Irwin, the then Viceroy of India, to address the need for trained manpower related to mining activities in the country with disciplines of Mining and Applied Geology. The Indian School of Mines was conferred the status of Indian Institute of Technology (IIT) on September 06, 2016, by the Government of India, and is now known as Indian Institute of Technology (Indian School of Mines) Dhanbad. Since its establishment, the institute has undergone considerable expansion of its academic activities, and presently accommodates a wide range of engineering, scientific, and social science disciplines, making it a premier institution in the country. It has 17 academic departments. IIT(ISM) Dhanbad offers 2-year M. Tech courses, 5-year dual degree B. Tech - M. Tech courses, Master of Science & Technology, Master of Business Administration, and a robust Ph.D. program. IIT(ISM) Dhanbad has been pioneering in research in areas like mining, petroleum, geology, fuel & mineral, geophysical exploration, and various engineering disciplines, and can commemorate the 100 years of existence of the institute and its service to the nation.

About Department of Civil Engineering

The Department of Civil Engineering at IIT (ISM) Dhanbad, established in 2013, is a dynamic hub for education and research, addressing the nation's growing infrastructure and environmental challenges. With a current faculty strength of 24, specialized in structural engineering, geotechnical engineering, water resources engineering, transportation engineering and, the department focuses on innovation and sustainability. It offers comprehensive undergraduate, postgraduate, and doctoral programs in various specializations. Equipped with cutting-edge laboratories and research facilities, the department fosters a strong foundation in both theoretical and practical aspects of civil engineering. Through impactful research and industry collaborations, the Department of Civil Engineering at IIT (ISM) Dhanbad is committed to developing solutions for sustainable infrastructure, resource management, and environmental resilience.

Executive Committee

CHIEF PARTON

Prof. Sukumar Mishra
Director, IIT(ISM) Dhanbad

PATRON

Prof. Dheeraj Kumar
Dy. Director, IIT(ISM) Dhanbad

CO-PATRON

Prof. S. C. Dutta
Professor (HAG)
Dept. of Civil Engineering
IIT(ISM) Dhanbad

CO-PATRON

Prof. Sarat Kumar Das
Professor (HAG)
Dept. of Civil Engineering
Dean Faculty, IIT(ISM) Dhanbad

Organizing Committee

CHAIRPERSON

Prof. Srinivas Pasupuleti
Head of the Department
Dept. of Civil Engineering,
IIT(ISM) Dhanbad

CONVENOR

Prof Renu V
Assistant Professor,
Dept. of Civil Engineering,
IIT(ISM) Dhanbad

CO-CONVENORS

Prof. Kironmala Chanda
Associate Professor
Dept. of Civil Engineering,
IIT(ISM) Dhanbad

Prof. Bandita Barman

Assistant Professor,
Dept. of Civil Engineering,
IIT(ISM) Dhanbad

Prof. Abhishek Kumar Pandey

Assistant Professor,
Dept. of Civil Engineering,
IIT(ISM) Dhanbad

TREASURER

Prof. Shushobhit Chaudhary
Assistant Professor
Dept. of Civil Engineering,
IIT(ISM) Dhanbad

Members

Faculty

of Dept. of Civil Engineering

Prof. Alok Sinha

Head of the Department
Dept. of Environmental Science and Engineering, IIT(ISM) Dhanbad

Prof. Sunil Kumar Gupta

Professor (HAG) & Dean Students Welfare
Dept. of Environmental Science and Engineering, IIT(ISM) Dhanbad

Prof. Sukha Ranjan Samadder

Professor & Head CWRM
Dept. of Environmental Science and Engineering, IIT(ISM) Dhanbad

Prof. Tinesh Pathania

Assistant Professor
Dept. of Environmental Science and Engineering, IIT(ISM) Dhanbad

Prof. Vittal H

Assistant Professor
Dept. of Environmental Science and Engineering, IIT(ISM) Dhanbad

Prof. Riya Dutta

Assistant Professor
Dept. of Environmental Science and Engineering, IIT(ISM) Dhanbad

Prof. Vasanta Govind Kumar Villuri

Associate Professor
Dept. of Mining Engineering

Prof. Krishna Sandilya Durbha

Associate Professor
Dept. of Chemical Engineering, IIT(ISM) Dhanbad

Research Scholars & Post Doctoral Fellows

of Dept. of Civil Engineering

SEMINAR THEMES

1. Integrated Management of Surface and Groundwater Resources
2. Sustainable Approaches to Water Resource Planning
3. Policy and Governance in Water Management
4. River Restoration and Sediment Dynamics: Strategies for Healthy River
5. Innovations in Water Quality Assessment and Management
6. Advances in Hydraulics and Hydrologic Modeling

PROSPECTIVE KEYNOTE SPEAKERS

- **Prof. A. K. Keshari**
Professor, Department of Civil Engineering, IIT Delhi
- **Prof. Ashish Pandey**
Professor, Department of Water Resources Development and Management, IIT Roorkee
- **Prof. Dhruvajyoti Sen**
Professor, Department of Civil Engineering, IIT Kharagpur
- **Prof. Eldho T I**
Professor, Department of Civil Engineering, IIT Bombay
- **Prof. M. K. Singh**
Professor & Dean Academic, Department of Applied Mathematics, IIT(ISM) Dhanbad
- **Prof. Prabhat Kumar Singh**
Professor, Department of Civil Engineering, IIT(BHU) Varanasi
- **Prof. Rajesh Srivastava**
Professor, Department of Civil Engineering, IIT Kanpur
- **Prof. Suresh Kumar G**
Professor, Department of Ocean Engineering, IIT Madras
- **Dr. Abhay Kumar Singh**
Chief Scientist, Water Resource Management Group CSIR-CIMFR
- **Dr. Prahlad Ram**
Scientist E, Anusandhan National Research Foundation

REGISTRATION DETAILS

S.No.	Category	Registration Fee (INR)
1	Students (UG/PG)	₹ 1,180/-
2	Research Scholar/Post Doctoral Fellow	₹ 2,360/-
3	Industrial/Technical/Working professionals	₹ 4,720/-
4	Faculty & Scientists	₹ 9,440/-
5	Industry Sponsor	₹ 24,500/-

BANK DETAILS

Name of Bank : Canara Bank
Account Name : IIT ISM PROJECT AC
Account No. : 0986101009746
IFSC Code: CNRB0000986



FOR REGISTRATION

<https://docs.google.com/forms/d/1LzHoKYyJC9SErm7tQM-7bBwUtkKZxbBR9qpblFHQfGc/edit>

Last Date : 12 May 2025

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ACCOMMODATION

IIT(ISM) Guest House	Charges
A/C room on twin sharing basis Per Day (Exclusive of food)	₹ 672 /-
Hostel	Charges
Non-A/C Room on twin sharing basis Per Day (Exclusive of food)	₹ 236 /-

For queries, please contact:

Dr. Renu V

Department of Civil Engineering, IIT(ISM) Dhanbad
 Email: renuvalsala@iitism.ac.in, Phone: 9334985363

Mr. Arindam Roy

PhD Research Scholar, Department of Civil Engineering, IIT(ISM) Dhanbad
 Email: 22dr0057@iitism.ac.in, Phone: 7001722434

"Save water for bright Future"