

Advisory Committee

Dr. Manoj Jindal, IIT Jodhpur
Dr. Jitendra Khatti, RTU, Kota Rajasthan
Dr. Tanu Sharma, NIET, Noida, Delhi
Dr. Pradeep Kumar, CCS Haryana Agriculture University
Dr. Rohit Singh Sajwan, Uttaranchal University, Dehradun
Dr. Kiran Patni Joshi, Graphic Era Hill University, Uttarakhand
Dr. Ishtiyah Ahmed, NIT Raipur
Dr. Ninad Bodhankar, Pt. RSU, Raipur
Dr. K.R. Hari, Pt. RSU, Raipur
Dr. R. K. Mishra, BIT Raipur
Dr. Manish Sakhecha, RITEE Raipur
Dr. Rajeev Guhey, Govt NPG College, Raipur

Conference Theme

Themes Included, but not limited to the following

Civil Engineering:

Green Infrastructure for urban water management.
Climate-resilient water storage and distribution systems.
Innovations in flood control and stormwater management.
Smart water networks and leak detection systems.
Efficient water use in building design and urban planning.

Environmental Engineering:

Advanced air and water pollution monitoring techniques.
Innovative methods for soil and groundwater remediation.
Innovations in landfill leachate treatment.
Engineering approaches to wetland restoration.
Urban ecosystem management for pollution control.

Chemical Engineering:

Development of advanced filtration systems.
Nanotechnology in desalination and purification process.
Use of microbial systems for water and soil purification.
Enzyme-based approaches to degrade toxic pollutants.

Mechanical Engineering:

Design of low-energy pumps for water and wastewater systems.
Innovations in turbine design for hydroelectric power.
Mechanical systems for extracting valuable resources from wastewater.
Sludge treatment and energy generation from waste.

Electrical Engineering:

Automation in water distribution and management.
Sensors and real-time data for efficient water resource management.
Renewable energy integration in water treatment plants.
Electric power systems for desalination and wastewater recycling.

Chief Patron

Shri Pramod Kumar Jain, Chairman
Shri Ankit Jain, Vice-Chairman

Patron

Mr. Upkar Rai, Secretary SSVT
Dr. G.K. Singh, Principal
Mrs. Shubhi Shrivastava, Vice Principal

Convener

Dr. Bhumika Das, HOD Civil Engineering

Co-Ordinator

Mrs. Deepanjali Sahu
Mrs. Namrata Singh Rana

Organizing Secretaries

Dr. Rajesh Shrivastava
Dr. Anjali Harangaonkar
Dr. Rahul Gedam
Dr. Santosh Sinha
Mr. Vishnukant Soni
Mr. Deependra Rathore
Mr. Ashish Paul

Organizing Committee

Mr. S.K. Shrivastava
Mrs. Priya Mishra
Mr. Upesh Kashyap
Mr. Ashish Vivek Sukh



LAKHMI CHAND INSTITUTE OF TECHNOLOGY

Near High Court, Raipur Road, Bodhi, Bilaspur, Chhattisgarh, India

Affiliated to CSVTU & Approved by AICTE

1st National Conference

On

**Innovative Strategies for
Sustainable Water Resources
Management and Environmental
Protection in Civil Engineering**

(NCISSWRMEP-2024)

November 12-13, 2024

Organised by

Department of Civil Engineering



Invited Speakers

Dr. Gouri Shankar Roy Mahapatra,
Professor
Haldia Institute of Technology,
West Bengal

Dr. Ashutosh Naik
Former Professor
Sambalpur University, Sambalpur

Dr. Goverdhan Bhat
Assistant Professor
NIT, Raipur

Dr. M.W.Y. Khan
Former Professor,
Pt Ravishankar Shukla
University, Raipur

Dr. Prashant Kumar Shrivastava
Professor
Durg University

Dr. Anurag Sharma
Assistant Professor,
Dept. of Civil Engineering,
OPJindal University, Raigarh

Dr. Kuldip P. Upasani
Thematic Expert, Maharashtra
Remote Sensing, Application
Center Nagpur

Dr. D.C. Jhariya
Associate Professor,
Dept. of Applied Geology,
NIT Raipur

Dr. Kshitij Upadhyay
Project Scientist
NIT, Raipur

Dr. D.P. Kuitly
Former Professor
Pt Ravishankar Shukla
University, Raipur

Dr. Ishtiyaz Ahmad
Assistant Professor,
Dept. of Civil Engineering,
NIT, Raipur

Dr. Tarun Kumar Rajak
Assistant Professor,
Dept. of Civil Engineering,
SSIPMT, Raipur

How to Reach



LCIT Campus, Near High Court, Raipur Road, Bodri,
Bilaspur, Chhattisgarh, India, Pin Code-495001

www.lcit.edu.in

Important Dates

Submission of Abstract	: October 20, 2024
Acceptance of Abstract	: October 25, 2024
Submission of Extended Abstract	: October 30, 2024
Acceptance of Extended Abstract	: November 5, 2024
Last Date of Registration	: November 8, 2024
Conference Dates	: November 12-13, 2024

Registration Fees

Student Attendee	: 200 ₹
UG Student	: 300 ₹
PG & Research Scholar	: 500 ₹
Faculty/Academician/Industry	: 800 ₹



Extended Abstract can be submitted through
E-mail: ncwremce2024@gmail.com

Mode of Paper Submission

- The abstract should contain 450 words along with atleast 6 keywords.
- The abstract should be in editable format Times New Roman size 12.
- Extended Abstract Should contain 800 to 1200 words.
- Paper/Poster Presentation.

Conference Tracks

- Track 1: Sustainable Water Resource Management.
- Track 2: Environmental Protection and Pollution Control.
- Track 3: Innovative Construction Practices for Environmental Sustainability.
- Track 4: Climate-Resilient Infrastructure Design.
- Track 5: Nanotechnology for Water and Soil Remediation for Agriculture.
- Track 6: Earth Science Solutions: Addressing Water Challenges in a Changing Environment.

Highlights

1. Best Paper Award in each track.
2. Certificate to all the Presenters & Attendees.
3. Accepted Extended Abstract will be published in the Conference Proceedings.

Contact Us

Mrs. Deepanjali Sahu	: +91-7488115688
Mrs. Namrata Singh Rana	: +91-9516606135
Mrs. Priya Mishra	: +91-8802860095

About the Conference

The Conference will serve as a platform for researchers, academicians, industry experts, and students to discuss and share ideas on innovative technologies, strategies, and practices that contribute to the effective management of water resources and the protection of our natural environment. By focusing on interdisciplinary approaches and solutions, the event aims to inspire new directions for research and practical applications in civil engineering that address both current and future challenges.

About the Lakhmi Chand Institute of Technology

LCIT, located in Bilaspur, Chhattisgarh, is a premier institution committed to providing high-quality technical education and fostering innovation in Engineering and Technology. Established in 2008, LCIT has quickly gained recognition for its academic excellence, state-of-the-art infrastructure and a vibrant learning environment. The Institute is affiliated with Chhattisgarh Swami Vivekanand Technical University (CSVTU) and approved by the All India Council for Technical Education (AICTE). LCIT offers Undergraduate and Postgraduate programs in various branches of engineering, with a focus on providing students with the knowledge, skills, and practical experience needed to excel in their chosen fields.

About Civil Engineering Department

The Department of Civil Engineering at Lakhmi Chand Institute of Technology (LCIT), established in 2009, is a vibrant and innovative department committed to academic excellence and research in Civil Engineering. Offering both Undergraduate (UG) and Postgraduate (PG) programs, including a specialized PG course in Environmental Engineering, the department has become a hub for developing skilled engineers. It equips students to effectively address the challenges of infrastructure development, environmental protection, and sustainable resource management.



Schedule for the National Conference on "Innovative Strategies for Sustainable Water Resources Management and Environmental Protection in Civil Engineering" to be held on 12th and 13th November, 2024:

Day 1: November 12th, 2024

TIME	SESSION	DETAILS
09:30 - 10:00 AM	Registration	Kit distribution
10:00 - 10:30 AM	Inauguration Ceremony	Welcome address by Conference Chair, Chief Guest, and other dignitaries
10:30 - 11:00 AM	Proceedings	Release Proceedings on National Conference on "Innovative Strategies for Sustainable Water Resources Management and Environmental Protection in Civil Engineering"
11:00 - 11:30 AM	Dr. D. C. Jhariaand	Topic: "Hydrological Assessment of Groundwater-Surface Water Interactions in the Kharun River Basin under Urban Pressure"
11:30 - 12:00 PM	Prof. D.P.Kuity	Topic: "Challenges in Groundwater Management"
12:00 - 12:20 PM Noon - Tea Break - Refreshment		
12:20 - 12:50 PM	Professor. Ashutosh Naik	Topic: "Surface and Ground Water Problems in Engineering Projects and their Solutions"
12:50- 1:20 PM	Dr. Govardhan Bhat	Topic: "Eco-Friendly Ductile Cementitious Composites (EDCCs): Sustainable concrete for new generation"
1:20 - 1:50 PM	Technical Session I - Water Resource Management	Presentations on innovative practices and sustainable management
1:50 - 2:30 PM- Lunch Break		
2:30 - 3:00 PM	Dr. Gourisankar Roymahapatra	Topic: "Dye Separation from Industrial Waste Water by Adsorption and Photo catalysis"
3:00 - 3:30 PM	Dr. Milan Hait	Topic: "Bioremediation of contaminants in water sources from the effluents of Sirgitti Industrial area in Bilaspur (C.G.)"
3:30 - 4:00 PM	Dr. Ishtiyah Ahmad	Topic: "Geospatial application in Natural Resources, Planning & Management "
4:00 - 4:20 PM - High Tea Break		
4:20 - 5:20 PM	Technical Session II - Environmental Protection Strategies	Paper presentations focused on pollution control, waste management, and eco-friendly designs
5:20 - 5:30 PM	Wrap-Up and Announcements	Summary of Day 1 , Certificate distribution and instructions for Day 2



Schedule for the National Conference on "Innovative Strategies for Sustainable Water Resources Management and Environmental Protection in Civil Engineering" to be held on 12th and 13th November, 2024 :

Day 2: November 13th, 2024

TIME	SESSION	DETAILS
09:30 - 10:00 AM	Registration	Kit distribution
10:00 - 10:30 AM	Inauguration Ceremony	Welcome address by Conference Chair, Chief Guest, and other dignitaries
10:30 - 11:00 AM	Dr. Anurag Sharma	Topic: "Engineering Approaches to Disaster Mitigation and Management for Sustainable Water Resources and Environmental Protection"
11:00 - 11:30 AM	Dr. Kuldeep P. Upasani	Topic: "Mapping Groundwater Resources and Scarcity Prediction: A Remote Sensing Approach Enhanced by Community-Based Monitoring"
11:30 - 12:00 PM	Dr. Tarun Kumar Rajak	Topic: "Integration Of Industrial By-Products In Coal Mine Dump"
12:00 - 12:20 PM- Tea Break - Refreshment		
12:20 - 1:20 PM	Technical Session III - Case Studies and Field Applications	Case studies on water management systems and environmental conservation
1:20 - 2:00 PM - Lunch Break		
2:00 -2:30 PM	Dr. Kshitij Upadhyaya	Topic: "Microplastics in Indian Urban Ecosystem - An Insight into the Sources, Dynamics, and Fate"
2:30-3:00 PM	Dr. Prashant Kumar Shrivastava	Topic: "Rainwater Harvesting – Boon for Groundwater"
3:00 - 3:30 PM	Dr. Vipin Dubey	Topic: "Rainwater Harvesting"
3:30 -4:30 PM	Technical Session IV - Water Conservation	Papers and discussions on using plastic and other materials in sustainable construction
4:30 - 5:00 PM	Poster Presentations	Participants showcase posters on various innovative civil engineering projects
5:00 - 5:15 PM - High Tea Break		
5:15 - 6:00 PM	Valedictory Ceremony & Certificate Distribution	Closing remarks, award ceremony, and certificate distribution