

REGISTRATION:

Registration fee includes Lunch, Tea, Snacks and Seminar Abstract.

Academicians	: Rs. 1000/-
Research Scholars	: Rs. 750/-
Students	: Rs 500/-
GRI Students	: Rs. 300/-
Industrialists	: Rs. 2000/-



Post-seminar fieldwork at Kadavur - Rs. 1000 (or) Multi Electrode Geophysical Survey Instrument Demo (Optional).

MODE OF PAYMENT:

Account Name	: ORGANISINGSECRETARY INNOVATIVE SOLUTIONSF
Account Number	: 110272201641
Name of the Bank	: CANARA BANK
Branch	: GANDHIGRAM RURAL UNIVERSITY
Branch Code	: 8500
IFSC CODE	: CNRB0008500
MICR Code	: 625015050

The duly filled registration form may be sent to the ORGANISINGSECRETARY INNOVATIVE SOLUTIONSF

The details of payment should be sent to the organizing secretary by mail (geogri2025@gmail.com) or post.



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CENTRE FOR APPLIED GEOLOGY

The Gandhigram Rural Institute (DTBU)
Ministry of Education (Shiksha Mantralaya), Govt. of India
Accredited by NAAC with 'A++' Grade (4th Cycle)



INTERNATIONAL SEMINAR ON
"Innovative solutions for
Water Management - 2025"

3rd – 5th, December, 2025 (WATER_2025)
Venue: Silver Jubilee Hall – GRI

Sponsored by



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प्रौद्योगिकी मंत्रालय
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SCIENCE AND
TECHNOLOGY



All are Invited & Requested to Circulate among
Staff and Students

GANDHIGRAM RURAL UNIVERSITY:

<https://www.ruraluniv.ac.in/aboutgri?content=vm>

CENTRE FOR APPLIED GEOLOGY:

https://www.ruraluniv.ac.in/faculties?department=AppliedGeology_profile

ABOUT THE SEMINAR:

Water, which is vital, indispensable, and the foundation of life on earth, must be carefully managed. Water is not just a commodity; it is a heritage, a future, and a liability of every-one. With populations growing, industries booming and climates changing in an unpredictable manner, there is a need and a challenge to manage water resources. This seminar digs into the intricacies of water resources management, its principles, major challenges, strategies, as well as innovative solutions that are defining the sustainable future.

The management of water resources, regardless of the complexity, is not a deadlock. Societies should focus on conserving the commodity for future generations to sustain the valuable resources through a combination of collective effort, innovation, and a sense of sustainability. The seminar would also try to bring out the need to monitor the quality and quantity of groundwater to prevent coastal groundwater contamination and pollution, and to address the impact of climate change. The value of water can be reassured to both the present and future by adopting sustainable practices and appreciating the significance of water. Some of the innovative solutions in water management include the invention and implementation of new technologies and practices, which maximize the use of water, help conserve it and increase sustainability in the face of rising water shortages. These solutions combine smart irrigation controllers, automated devices, and digital monitoring equipment based on real-time information and AI to improve accuracy and efficiency. There are also innovations such as improved filtration processes, desalination that uses renewable energy, water collection, reusing waste water, and nature-based infrastructure that will enhance the availability, water quality, and resilience of water in agricultural, urban, and industrial applications. These strategies not only minimize waste of water but also promote the ecosystem and biodiversity, which will allow the future to have water which is managed sustainably.

The emphasis is on creating an integrated, four-dimensional, digital framework for the earth that incorporates

data from the many sub-disciplines of Geology, which will provide a unique scientific and technical platform to share the research experiences among experts and professionals from all over India engaged in different fields of Geoscience.

We welcome all the participants and contributors to join us at the International seminar on "Innovative solutions for Water Management - 2025, "Water - 2025" and all members of the Advisory Committee, and looking forward to meet you in Gandhigram, Dindigul, Tamil Nadu.

SEMINAR THEMES:

The seminar will focus on the "Innovative solutions for Water Management - 2025", including;

- * Addressing the water needs of drinking and sanitation
- * Treatment technologies for domestic, industrial and wastewater flows
- * Monitoring and management of freshwater resources and water-related ecosystems
- * Technologies to enhance water use efficiency
- * Management of water stress with respect to climate change
- * Integrated techniques to address water resources management
- * Management of transboundary water bodies
- * Addressing extreme events in coastal regions
- * Role of citizen science and NGOs in water management
- * Climate change and its impact on water resources
- * Water quality and addressing the sources of contamination
- * One health and water contamination
- * Big data analysis and applications of ML and AI in water research
- * Governance and policy development for water management
- * Applications of IoT in water resources
- * Innovations in Water distribution, networking, and unaccounted for water
- * Surface and Groundwater Potential study and its management
- * Surface and Ground water Quality study and its management

- * Surface and Groundwater Quality in terms of Health Hazards
- * Sustainable Development Goal (SDG 6) on water issues
- * Technology trends in Geological studies
- * Technology trends in Geospatial studies on Geological perspectives

ABSTRACT AND FULL PAPER SUBMISSION:

- ◆ Abstracts are invited in MS Word format and Times Roman font with a size of 12.
- ◆ Last Date of submission of abstract on or before 10.11.2025
- ◆ Notification & Acceptance on or before 12.11.2025
- ◆ Full Paper Submission on or before 20.11.2025
- ◆ The best paper after reviewed by the experts is planned to be published in Springer journals.

The softcopy of the abstracts and full paper should be sent to "geogri2025@gmail.com"

TRAVEL & ACCOMMODATION:

- The paper presenters will be entitled to have travel allowances as per GRI rules, subject to the production of tickets and based on the availability of funds.
- Limited accommodation may be arranged on a payment basis in the university guest house on a shared basis on prior request. Working lunch and refreshments will be served during the programme.
 - Deluxe A/C Room : Rs.1300/- per person
 - Ordinary A/C Room – : Rs.800/- per person
 - Ordinary Non- A/C Room : Rs. 300/- per person

There are good hotels in the city within 6 - 7 km from the university campus.

LOCATION & ACCESSIBILITY:

The GRI is well connected by the road (NH7) and railway, 12km south of Dindigul and 55 km north of Madurai city.

- Nearest Airport - Madurai (72km)
- Nearest Railway station - Ambaturai (2km)/ Dindigul Junction (12km)
- Website: www.ruraluniv.ac.in

NEAREST TOURIST ATTRACTION:

Palani Murugan Temple, Kodaikanal, Madurai Meenakshi Temple, Gandhi Museum, Sirumalai Hills, Thirumalai Nayakar Mahal.