

About the Conference

Water stress has become a global concern, with 2.3 billion people living in water-scarce regions (UN, 2021). The imbalance between water supply and demand, compounded by climate change, threatens sustainable access to clean water. Effective water resource management requires collaboration among researchers, policymakers, and stakeholders to understand groundwater dynamics and develop adaptive strategies. Promoting water conservation, efficient irrigation, recycling, and storage infrastructure is vital for sustaining agriculture, ecosystems, and human needs.

Themes of the Conference

1. Water resource assessment and modelling
2. Water Quality and Human Health
3. Addressing groundwater vulnerability
4. Isotopic studies in groundwater
5. Land use pattern changes and its impact on groundwater
6. Climate change, monitoring, mitigation and adaptation Strategies
7. Applications of advanced tools and techniques (GIS, artificial intelligence /machine learning (AI/ML), decision support systems (DSSs), etc. in groundwater studies
8. Tackling water security and scarcity
9. Strategies to achieve sustainable developmental goal 6 (clean water and sanitation)

Eligibility

This conference is open to faculty members, research scholars, PG, UG students in Earth Sciences, Geography, Climatic studies, Environmental Sciences, Remote Sensing, Hydrology.

Fee and Accommodation

Faculty : Rs. 1000/-
Research Scholars: Rs. 500/-
Students: Rs 350/-
Industrialists (Others): Rs. 2000/-
No TA/DA will be provided
Working lunch and refreshments will be provided during the conference.
Accommodation will made on college hostels with nominal charges (Limited seats only)

Best Oral and Poster Presentation will be awarded with cash prize

Procedure for submission of abstract:

- Abstract (of about 250-500 words) should be sent as an attachment in a word file. Abstracts will be peer reviewed before they are accepted.
- Selected abstracts will be requested for the submission of full manuscript.
- Full paper will be published in ISBN proceedings.
- The paper should be typed in MS WORD format.
- Manuscript should not exceed 6 pages A4 size of 12 font, Times New Roman, and typed in 1.5 space.
- The title of the paper should be followed by name, designation, institution, Email ID, and phone number of the first author and the name, designation, affiliation, city, and state of additional authors.
- Submit your paper to geonct1961@gmail.com

Poster Presentation

- For poster presentation: A0 size, 36 inch (height) X 48 inches (width), portrait orientation.
- The poster should include the project title, author names, institutional affiliations, and a clear summary of the study's objectives, methods, results, and conclusions. Text should be legible from 3-5 feet away, and graphics should be high resolution.

Registration details

Last date of registration and abstract submission : 22.11.2025

Notification of acceptance : 23.11.2025

Submission of full paper : 06.12.2025

For payment Click here

<https://payments.billdesk.com/bdcollect/bd/natcoltm/18508> or Scan here



For registration, fill the google form, link is given below
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FIRST CIRCULAR

**Two days National Conference
on**

SUSTAINABLE MANAGEMENT OF GROUNDWATER RESOURCES FOR FUTURE DEVELOPMENT UNDER CLIMATE CHANGE SCENARIO

12th Dec. - 13th Dec. 2025

Organized by

**Department of Geology
National College (Autonomous)
Tiruchirappalli- 620001
Tamil Nadu**

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About the College

National College (Autonomous), Tiruchirappalli, Tamil Nadu, is one of the premier institutions of higher education in South India, with a proud legacy of academic excellence, research innovation, and community service since its establishment in 1919. Affiliated to Bharathidasan University and recognized by the University Grants Commission (UGC), the college has been reaccredited with an "A" Grade by NAAC, reflecting its unwavering commitment to quality education. The college offers a wide spectrum of undergraduate, postgraduate, and research programs across arts, science and commerce disciplines. Located in the heart of Tiruchirappalli, National College stands as a beacon of knowledge and values, fostering holistic development through its emphasis on academic rigour, ethics, and environmental consciousness. The institution promotes research culture through its well-equipped laboratories, modern digital learning facilities, and collaborations with national and international organizations. Guided by the vision "Sā Vidyā Yā Vimuktaye"—Education is that which liberates - the college continues to inspire generations of learners and scholars to contribute meaningfully to society.



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About the Department

The Department of Geology, established in 1961, is one among the lead centers for learning and carrying out research in Geology in the State. The major goal of the Department is to foster geological knowledge among the youth and to equip them for professional careers in various fields of Geology. The long term goal is to establish itself as a Center of Excellence in Geology. The Department offers B.Sc. Geology and M.Sc. Applied Geology programmes besides Ph.D. programme. The foresight of the college management to start the Department, careful nurturing by the founding Professors and the succeeding Professors have transformed the Department into a lead Centre for geology learning. The Department is on par with several other departments in lead institutions in terms of infrastructure facilities. A well designed curriculum which is periodically updated with inputs from experienced subject experts from industries relating to geology and our reputed alumni to impart comprehensive geological knowledge of the students and fetching lucrative job in the field of Geology.

Location

National College (Autonomous) is centrally located in the historic city of Tiruchirappalli (Trichy), Tamil Nadu, renowned for its rich cultural heritage and educational excellence. The college is situated on Dindigul Main Road, about 2 km from Tiruchirappalli Junction Railway Station and 7 km from Tiruchirappalli International Airport, ensuring easy accessibility for participants travelling by rail, road, or air. The city of Tiruchirappalli, located on the banks of the river Cauvery, is well connected to major cities like Chennai, Coimbatore, and Madurai by excellent transport networks. Prominent tourist spot near the college include the Rockfort Temple, Srirangam Temple and Kallanai (Grand Anaicut).