

UGC SPONSORED INTERNATIONAL CONFERENCE on

GEOINFORMATICS FOR SUSTAINABLE DEVELOPMENT AND INNOVATION

(GEO SDI 2026)

(HYBRID MODE)

11th - 13th March, 2026

Venue: Silver Jubilee Hall GRI



Organized by
Centre for Geoinformatics

School of Health Sciences & Rural Development,
The Gandhigram Rural Institute (Deemed to be University),
Ministry of Education (Siksha Mantralaya), Govt. of India
Accredited by NAAC with 'A++' Grade (4th Cycle) Gandhigram,
Dindigul District - 624 302,
Tamil Nadu, India.

About the University

The Gandhigram Rural Institute (Deemed to be University), Dindigul was founded in the disciple couple of Gandhiji in 1956, Dr. G. Ramachandran & Dr. T. S. Soundaram. Duly witnessing the astonishing contribution of GRI in the multiple spheres of academia to the rural development, the University Grants Commission, Govt. of India, New Delhi, conferred on it the status of a Deemed to be University in 1979. The National Assessment and Accreditation Council (NAAC), Bangalore, has accredited the Institute with 'A++' grade status in fourth Cycle in 2025. The Institute offers Doctoral, Masters and Bachelor's Degrees, Diploma and Certificate programmes through its eight academic schools. It is one of the most highly placed centres on rural higher education in the country, funded fully by UGC and governed by the Ministry of Education, Government of India, New Delhi



About the Centre for Geoinformatics



The Centre aims at developing human resource in Geoinformatics to face the future challenges of the Earth system dynamics and the related natural resources, ecosystems and its aberrations including the natural disasters and the anthropogenic dynamics confronting India. The two academic programmes, M.Sc., Geoinformatics, a two year programme offered since 2002 and PG Diploma in Spatial Technologies, an innovative two semester programme conducted since 2007 are the flagship programmes attracting students from Tamil Nadu and the other parts of the country. The Centre is manned by well qualified team of faculties and has the state-of-the-art facilities to deserveingly

capitalise the virtues of Geoinformatics and Geo spatial technologies to effectively address the above issues. The Centre has hosted various Workshops, Seminars, Guest Lectures, Conferences and also has ongoing and completed Major Research Projects funded by various organizations like ISRO, DST-New Delhi, Government of Tamil Nadu, etc., for more than a decade.

Objectives of the Conference

The International Conference on Geoinformatics for Sustainable Development and Innovation (GEO SDI 2026) aims to create a dynamic global platform for advancing research, innovation, and collaboration in the field of Geoinformatics and its applications towards sustainable development. The conference seeks to promote the integration of Remote Sensing, Geographic Information Systems (GIS), GNSS, Artificial Intelligence and spatial data analytics in addressing particularly the Earth ecosystem dynamics/environment, degradation and the predictive and protective management strategies, issues perpetuating the urban, agricultural and socio-economic challenges aligned with the Sustainable Development Goals (SDGs) adopted by the United Nations. It intends to encourage interdisciplinary dialogue among researchers, industry professionals, policymakers and academicians; showcase cutting-edge technologies and case studies; support evidence-based decision-making through geospatial intelligence; and foster international partnerships that contribute to innovation, resilience, and sustainable global development.

Conference Themes

GEO SDI 2026 focuses on innovative and sustainable solutions using geoinformatics, covering areas like planning, resource management, environmental protection, and resilient infrastructure and not limited to:

Theme 1: Climate Change & Environmental Sustainability

- Earth ecosystem dynamics, degradation and the predictive and protective strategies
- Coastal vulnerability and sea-level rise studies
- Forest cover monitoring and biodiversity conservation
- Climate change modeling and carbon assessment
- Environmental impact assessment using geospatial tools

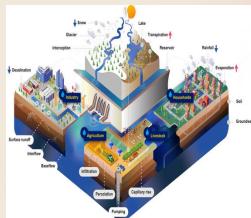


Theme 2: Smart Cities, Urban Innovation & Infrastructure

- Sustainable urban planning and smart city frameworks
- Land use and land cover dynamics
- Urban heat island and environmental monitoring
- Transportation and mobility analytics
- Infrastructure resilience and monitoring

Theme 3: Agriculture, Food Security & Precision Farming

- Crop monitoring using remote sensing
- Precision agriculture and yield forecasting
- Soil resource mapping
- Drought assessment and food security planning



Theme 4: Water Resources & Hydrological Modeling

- Watershed and river basin management
- Flood risk mapping and early warning systems
- Groundwater potential assessment
- Water quality monitoring using GIS

Theme 5: Disaster Risk Reduction & Geospatial Resilience

- Multi-hazard zonation mapping
- Landslide, earthquake and other susceptibility analysis
- Cyclone tracking and disaster response systems
- Geospatial decision-support systems for emergency management



Theme 6: Geospatial AI, Innovation & Emerging Technologies

- Machine learning in remote sensing
- UAV and drone-based mapping
- Cloud GIS and Web GIS applications
- Spatial Big Data analytics
- Digital twins and smart geospatial systems

Theme 7: Health, Society & Inclusive Development

- Disease mapping and epidemiological modeling
- Healthcare accessibility analysis
- Socio-economic and poverty mapping
- Spatial planning for inclusive development



Registration

Category	Indian	Foreigner
Industrial participants	₹2,500/-	\$30
Academician	₹2,000/-	\$25
Research scholars	₹1,500/-	\$20
Student	₹1,000/-	\$15

Includes Lunch, Refreshment & Conference Kit

Payment

Account Name: Convenor, GEO SDI 2026
 Bank Name: Canara Bank
 Account No.: 110293008041
 Branch: GRU, Gandhigram
 Branch code : 8500
 IFSC Code : CNRB0008500
 MICR Code : 62015024

(OR)

Demand Draft drawn in favour of **Convenor, GEO SDI 2026**. The details of payment should be intimated to the Convenor either through email or WhatsApp no (+91 94860 32767)

Guidelines for Paper Submission

The paper must include an abstract, author details (including a valid email ID and accurate contact information), and at least one author must register for the conference. Only selected papers will be published in a dedicated edition of the conference volume with an ISBN. The abstract should not exceed 500 words and must be accompanied by relevant keywords. Manuscripts should be formatted in Times New Roman, 11-point font size, with 1.15 line spacing, using a single-column layout, and the plagiarism level must be below 15%. After ensuring compliance with these guidelines, submit your paper to geoinformaticsgridu@gmail.com with the subject line mentioning the provided Paper ID and your name.

e-mail: geoinformaticsgridu@gmail.com

Selected paper will be published with ISBN Number

Important dates

Last date for Abstract : 06.03.2026
Intimation of Acceptance : 07.03.2026
Submission of full paper : 10.03.2026
Payment of Registration fee : 05.03.2026

Accommodation

Limited number of accommodation is available and hence it will be arranged to the participants on payment in the University Faculty Guest House on first come first served basis.

	Indian	Foreigner
Non - A/C Room	₹300/-per day/person	\$5/-per day/person
A/C Room	₹800/-per day/person	\$10/-per day/person

Accommodation can also be arranged on payment in Hotel on request at Dindigul which is 12 kms from the University. Participants staying outside should make their own travel arrangement to reach the Conference Venue.

Registration

<https://forms.gle/xPhtpbvMBmDFAuX97>



Contact

Dr.M.Muthukumar,
Convenor, GEO SDI 2026,
Associate Professor & Director In-Charge,
Centre for Geoinformatics,
The Gandhigram Rural Institute (Deemed to be University), Gandhigram – 624 302.
Mob. No: +91 98655 05886

How to reach ?



Organizing Committee

Chief Patron

Prof. Dr. N. Panchanathanam

Vice-Chancellor

The Gandhigram Rural Institute
(Deemed to be University), Gandhigram.

Patron

Sr.Prof. Dr. M. Sundaramari

Registrar In-Charge

The Gandhigram Rural Institute
(Deemed to be University), Gandhigram.

Co-Patron

Dr. R. Venkataravi

Dean

School of Health Sciences and Rural Development
The Gandhigram Rural Institute
(Deemed to be University), Gandhigram

Convenor

Dr. M. Muthukumar

Associate Professor & Director In-Charge
Centre for Geoinformatics, GRI Gandhigram.

Co-Convenors

Dr. A. Rajeshwari,

Dr. K. Ezhilarasan,

Dr. M. Subagunasekar,

Dr. S. Gunasekaran,

Guest Faculty, Centre for Geoinformatics, GRI Gandhigram.

Students Organizing Committee

Mr. M. Palanimuthu

Mr. R. Abishek

Ms. S. Mohana Sankare

Ms. S. Dhanyasri

Mr. M. Kaviyarasu

Mr. Mainak Dhanantari

M.Sc., Geoinformatics

&

PGD in Spatial Technologies,

Centre for Geoinformatics, GRI, Gandhigram