

## YOUNG UGIT'S TECHNOLOGIST AWARD

Research articles along with abstracts are invited from young researchers who are below the age 30. All the research papers which are submitted under this category should be focused on conference sub-themes. Papers on these categories have to be in the original format and not published anywhere earlier. Three best articles would be selected for the Young Technologist Awards and would be awarded a cash prize of Rs.10,000 with certificate.

**Note:** The selection would entirely be based on relevance of the research topic, methodology & techniques used for analysis, output of the research and the quality of the presentation. The research articles selected under this processes will be published in up-coming international peer-reviewed journals of 'Geographical Analysis' & 'Geo-eye'. At least 10 participants required to participate.

## UGIT'S EXCELLENCY AWARDS:

Since 2015, UGIT has been conferring the Excellency Awards to honor outstanding contributions in teaching, research, and the promotion of geospatial technologies across diverse fields. These awards recognize exceptional talent, achievement, and dedication, inspiring the academic and research community to strive for higher excellence. For the 14th International Conference, the UGIT Executive Body will select three distinguished awardees from India and abroad—researchers, geographers, technologists, and academicians with exemplary records in their respective domains. Awardees will be felicitated during the inaugural session, and their names and achievements will be featured in the UGIT website and in Journals.

### Contact Details

#### Dr. Ashok D. Hanjagi

Convener & Chairman

Department of Geography, Bangalore University, Jnanabharathi, Bengaluru-560056, Mobile No: 91 9845634196, 91 9448889201, 91 9731454538, 9108813001, Office: 080 229613 71, Email: geography@bub.ernet.in, Web: www.bangaloreuniversity.ac.in & www.ugit.net



Scan or click the QR code to pay the registration fee

### Organising Committee

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| Mr. Venugopal T.V. | Ms Revathi           | Ms. Prakruti Pilania |
|                    |                      | Jagadeesh N          |

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### CONFERENCE REGISTRATION FEES

| Indian Delegates-offline  | Online participation         | UGIT Members                   | Online participation | Foreign Delegates               | Online participation | Spot Registration |
|---|------------------------------|--------------------------------|----------------------|---------------------------------|----------------------|-------------------|
| Non-academician 4000<br>Faculty 2500<br>Researcher 1000<br>Students 500 | 3,000<br>1,500<br>500<br>300 | Faculty 2000<br>Researcher 800 | 1,000<br>500         | Faculty \$60<br>Researcher \$30 | \$30<br>\$15         | 3500              |

**Important Dates:**  
 Abstract Submission Deadline: December 12, 2025  
 Full Paper Submission Deadline: December 15, 2025  
 Poster Submission Deadline: December 12, 2025  
 Notification of Acceptance: December 15, 2025  
 Conference Dates: December 19-20, 2025



Union of Geographic Information Technologists (UGIT), Bengaluru

Bangalore University  
Bengaluru, India



Union of Geographic Information Technologists (UGIT)  
Fourteenth UGIT's International Conference on

*GeoVision*  
**2025**

**GEOSPATIAL INNOVATION FOR CLIMATE ACTION,  
DISASTER RESILIENCE, AND  
ENVIRONMENTAL SUSTAINABILITY**

December 19-20, 2025

Hosted by the Department of Geography & Geoinformatics, Bangalore University under the banner of the UGIT, GeoVision 2025 is a world-class international conference designed to spark dialogue, innovation, and collaboration across disciplines during 19-20, December 2025. This event serves as a premier global forum to advance discussion, research, and innovation at the intersection of geospatial sciences and sustainable development. The conference will convene scientists, researchers, policymakers, industry leaders, and practitioners from across the world to share knowledge, showcase technological breakthroughs, and build collaborative solutions to today's most pressing global challenges.

This landmark event focuses on: Climate Action – adaptation, mitigation, and pathways to a low-carbon future; Disaster Risk Reduction and Resilience – geospatial frameworks for risk reduction and preparedness; Smart and sustainable urban planning; Environmental Sustainability – spatial monitoring, modelling, and ecosystem management; Innovative Geospatial Solutions – AI, Remote Sensing, GIS, and digital governance for sustainable urban and rural systems.

Set in the vibrant city of Bengaluru—India's technology and innovation hub, the conference offers a dynamic platform for knowledge exchange, international networking, and impactful partnerships. GeoVision 2025 envisions a world where geospatial intelligence drives climate-smart development, builds resilient communities, and fosters environmental stewardship for a sustainable future.

### PATRON

Prof. S.M. Jayakara  
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### CONVENER

Dr. Ashok Hanjagi  
Chairman, Dept of Geography  
& Geoinformatics,  
Bangalore University

### ORGANIZING SECRETARIES

Dr. Dashratha P. Angadi  
Secretary, UGIT, Bengaluru

Dr. Surendra P.  
Treasurer, UGIT, Bengaluru

CONFERENCE VENUE:  
DEPT OF GEOGRAPHY & GEOINFORMATICS, BANGALORE UNIVERSITY



## Objectives of the conference

### Promote Geospatial Innovations for Sustainability:

Showcase emerging tools, platforms, and best practices in geospatial technologies that drive environmental and climate-smart solutions.

### Address Climate Change and Urban Resilience:

Explore spatial strategies for climate mitigation, adaptation, and building resilient urban environments using GIS and remote sensing.

### Advance the Localization of SDGs:

Demonstrate how geospatial intelligence accelerates the tracking, evaluation, and realization of the Sustainable Development Goals.

### Foster Interdisciplinary and Global Collaboration:

Bring together diverse stakeholders—scientists, technologists, urban planners, and policymakers—to co-create solutions to global challenges.

### Showcase Smart City and Sustainable Urban Strategies:

Highlight global case studies and innovations integrating spatial technologies into sustainable infrastructure, transport, and public services.

### Building Disaster-Resilient Communities:

Explore new approaches to create awareness among vulnerable communities.

### Build Capacity and Inspire Innovation:

Empower young researchers and professionals through skill-building technical sessions and interactive platforms for idea exchange.

### Influence Policy and Evidence-Based Decision-Making:

Generate actionable insights and recommendations to guide climate, urban and environmental policy frameworks at all levels.

### Promote Geospatial Literacy and Digital Inclusion:

Encourage the widespread adoption of geospatial thinking in education, governance, and community engagement for a more spatially enabled society.

## Conference Sub-Themes

### Climate Change & Resilience

- Geospatial Modelling of Climate Change Impacts
- Satellite-based Climate Monitoring and Early Warning Systems
- Heat Islands, Carbon Footprint, and Emission Mapping
- Climate-Induced Hazards and Risk Assessment
- Climate Adaptation and Mitigation
- Climate-smart agriculture & Food security

### Soil Degradation and Conservation

- Soil Conservation and Landuse Planning
- Soil quality, agriculture and food security
- Soil Degradation Assessment
- Soil biodiversity – A Nature-based solutions

### Environment, Biodiversity & Ecosystems

- Ecosystem Health Monitoring
- Biodiversity Conservation
- Soil Degradation, Desertification and Restoration
- Forest and Wetland Resources
- Environmental Pollution and Impact Assessment
- Solid Waste Management

### Sustainable Development Goals (SDGs)

- Spatial Approaches to Localizing and Monitoring SDGs
- SDG Dashboards and Geoportals
- Urban-Rural Linkages
- Water-Energy-Food Nexus
- Gender and Inclusion

### Sustainable Water Resource Management

- Surface & Groundwater Assessment
- Watershed Analysis
- Water Resource Management
- Rainwater Water Harvesting

### Urban Futures & Smart Cities

- Urban Planning and Management
- Urban Land Use, Growth Modelling and Infrastructure
- Urbanization and Urban Sprawl
- Socio-economic issues and challenges
- Urban Governance
- Urban Water Resource Planning & Management

### Disaster Risk Reduction & Resilience

- GIS for Natural Disaster Mapping and Response
- Hazard Zonation and Vulnerability Assessment
- Community-Based Disaster Risk
- Real-Time Monitoring and Emergency Preparedness
- Resilient Infrastructure Planning

### Technological Frontiers in Geoinformatics

- AI/ML, Big Data & Cloud Platforms in GIScience
- UAVs, Drones, and IoT for Real-Time Spatial Data
- Open-Source GIS and Citizen Science Applications
- 3D/4D Visualization and Spatial Simulations
- Cyber GIS and High-Performance Spatial Computing

### Soil Degradation and Conservation

- Soil Conservation and Landuse Planning
- Soil quality, agriculture and food security
- Soil Degradation Assessment
- Soil biodiversity – A Nature-based solutions

## Expected Outcomes

### 1. Knowledge Exchange and Interdisciplinary Learning:

Participants will gain exposure to cutting-edge research, real-world applications, and innovative methodologies in geospatial science, climate resilience, and sustainable development.

### 2. Strategic Collaborations and Global Networking:

The conference will facilitate new partnerships among academia, government agencies, industry, and international organizations for collaborative research, innovation, and policy implementation.

### 3. Policy Recommendations and Position Papers:

High-level panels and technical sessions will contribute to actionable policy briefs and recommendations on urban planning, environmental governance, disaster preparedness, and SDG localization.

### 4. Capacity Building and Skill Development:

Workshops and hands-on training sessions will enhance technical capacity in geospatial technologies, fostering the growth of professionals, educators, and early-career researchers.

### 5. Publication of Conference Proceedings and Special Issues:

Selected papers will be published in reputed journals and conference proceedings, contributing to the global knowledge based on geospatial science and sustainability.

### 6. Empowerment of Youth and Inclusion of Marginal Voices:

Engagement of students, young researchers, and underrepresented groups in climate action and spatial thinking, promoting inclusive development and innovation.

### 7. Roadmap for Institutional and Policy Integration:

Development of an institutional action plan for integrating geospatial tools into university curricula, urban governance, and environmental monitoring systems.

attendees to consider the broader implications of their work and the role of geospatial solutions in building a sustainable future.

### Technical Session

This will focus on presenting cutting-edge research, technological advancements, and case studies that demonstrate the application of geospatial technologies in solving real-world problems. These sessions are geared towards researchers, technologists, and practitioners, offering a deep dive into specialized topics. Research Paper Presentations by researchers and professionals on innovative solutions in various fields. All articles will undergo double-blind peer review. Selected abstracts / full papers will be invited for oral presentation in technical sessions and published free of cost in UGC CARE-listed journals of UGIT. Best paper awards with certificates will be given in each technical session. Registered participants will receive certificates and a conference kit.

### Poster Presentation:

This session will focus on explaining students research and case studies. Selected posters (as research articles) will be published free of cost in the Geo-Eye Journal of UGIT. Awards include 1st prize ₹5,000, 2nd prize ₹3,000, and 3rd prize ₹2,000, with certificates. Note: UG, PG and PhD students can submit the posters.

### Quiz

The UG, PG and PhD students will participate in well-organized quiz which will be conducted prior to the conference inaugural session. The students will get exposed to develop skills in main conference theme and sub-themes. The session will provide ideas and insights, helping attendees gain valuable knowledge in the practical application of various domains. The students will be honoured with cash prizes and citations at the valedictory ceremony. Awards include 1st prize ₹5,000, 2nd prize ₹3,000, and 3rd prize ₹2,000, with certificates.

### Panel Session

The Panel Sessions will bring together renowned experts, practitioners, and thought leaders to engage in dynamic discussions on some of the most critical issues in climate action, urban development, environmental sustainability, disasters, water and soil resources with application of geospatial technologies. These sessions will be highly interactive and aim to provide diverse perspectives on the role of geospatial technologies in solving global challenges. Panellists from academia, government, and industry will discuss about various topics. Attendees will have the opportunity to ask questions and engage in dialogue with the panellists. Facilitated debate on the feasibility and impact of using geospatial data for large-scale climate action. The panel sessions will be designed to foster cross-sector collaboration and stimulate thought-provoking discussions that inspire new approaches to geospatial solutions for sustainable development.

## Call for Research Articles and Posters

GeoVision 2025 invites researchers, practitioners, and students to submit their abstracts and full-length research articles and posters for presentation at the conference. The submitted work should be related to the main theme of the conference or a sub-theme and also should address the Sustainable Development Goals (SDGs). Submit your papers to the email: [geography@bub.ernet.in](mailto:geography@bub.ernet.in)

### Key Areas of Submission

Climate Change and Resilience  
Urban Futures & Smart Cities  
Environment, Biodiversity & Ecosystems

Technological Frontiers in Geoinformatics  
Disaster Risk Reduction and Resilience  
Sustainable Water Resource Management

Sustainable Development Goals  
Soil Degradation and Conservation

## SUBMISSION GUIDELINES

### Research Articles:

Submissions must present original research or innovations (3000–5000 words) following the conference's citation style (APA/MLA), with an abstract (max. 300 words), keywords, and author biography.

### Posters:

Posters should showcase research, case studies, or innovations relevant to the conference themes/sub-themes, in portrait format (max. 36" x 48"), including title, abstract, methodology, results, and conclusion. Submissions must include a short description and author details. Posters will be peer-reviewed, displayed in designated areas, and presented during poster sessions.

### Inaugural Session

The Inaugural Session of GeoVision 2025 will set the stage for the conference, providing a platform for distinguished speakers to highlight the pressing global challenges and the role of geospatial technologies in addressing these issues. This session will be marked by welcome addresses (introduction to the conference's objectives, vision, and themes), keynote speeches (leading experts from academia, industry, and policy-making will share their insights on the intersection of climate change, sustainable development, and geospatial innovation), and the official launch (formal commencement of the conference with a presentation on the roadmap of the sessions, objectives, and outcomes) of the conference. Audience will engage brief interaction with delegates and introduction to conference themes. The inaugural session will also feature a special address on geospatial innovations driving sustainable development goals by a prominent figure in the geospatial or environmental sector.

### Plenary Session

The Plenary Sessions will feature high-level keynote speakers and global experts addressing the overarching themes of the conference. The plenary will serve as a forum for major global challenges related to climate action, urban sustainability, and geospatial technologies, where speakers will share broad insights and visions for the future. Distinguished leaders (keynote speakers) in the field of geospatial science, climate action, urban development, and sustainability will deliver thought-provoking speeches, highlighting the transformative potential of geospatial technologies in achieving a sustainable future. Speakers will present the latest developments in geospatial research, global climate policies, and urban solutions, offering a forward-looking perspective on how these fields can integrate to address global challenges. Following the keynote speeches, a moderated discussion will invite reflections from the audience, encouraging dialogue on the future role of geospatial technology in achieving sustainable development goals. These sessions are designed to inspire, challenge, and motivate