

UGIT's 13th International Conference

"Multi-disciplinary Approach for Sustainable Development of Future Cities – Innovative Emerging Technology

19th – 20th December 2024

Jointly Organized by

Bangalore University India,
University of Wolverhampton UK,
PM-USHA and Geography & Geoinformatics



Patron



Prof. Dr. Dr. Jayakaran S M
Vice-Chancellor
Bangalore University



Shri Sheikh Latheef (KAS)
Registrar
Bangalore University



Prof. Dr. Ashok D. Hanjagi
Dean, Faculty of Science
Bangalore University



REGISTER
HERE

Distinguish Keynote Speakers



Prof. Subhashini Suresh,
University of Wolverhampton,
UK



Dr Suresh Renukappa ,
University of Wolverhampton,
UK



Prof. Panagiotis Georgakis,
University of Wolverhampton
UK



Dr. Ganesh Raj, Retd. Sr.
Scientist ISRO.



Shri Prasana Prabhu
Art of Living

Venue: Department of Geography & Geoinformatics, Bangalore University, Jnanabharthi Campus, Bengaluru 560056

Introduction to the Conference

The international conference on "Multi-disciplinary Approach for Sustainable Development of Future Cities - Innovative Geo-spatial Solutions" brings together global experts to address the pressing challenges of urban development in an era of rapid climate change, population growth, and technological transformation. As cities continue to expand, sustainable management of resources and infrastructure becomes increasingly vital for ensuring liveable, resilient, and environmentally sound urban spaces. This conference aims to explore cutting-edge geo-spatial solutions and interdisciplinary strategies for fostering sustainability in urban planning, resource management, disaster mitigation, and the achievement of net-zero goals. By integrating insights from fields such as geography, urban planning, geology, environmental science, technology, and social sciences, the conference will provide a platform to discuss sustainable water resource management, resilient communities, and innovative applications of geo-spatial technologies in urban governance. It seeks to highlight not only theoretical approaches but also practical solutions for cities to remain adaptable and sustainable in the face of changing socio-economic and environmental dynamics.

Conference Sub Themes

1. Multi-disciplinary Research in Environmental and Earth Sciences for Urban Sustainability
2. Geospatial Innovations for Urban Planning
3. IoT and AI for Smart Cities
4. Sustainable Waste Management Solutions
5. Water Sustainability in Urban Environments
6. Biodiversity and Urban Forestry
7. Sustainable Mobility and Public Transportation
8. Sustainable Financing for Urban Development
9. PPP, Public Policy, and Participatory Governance
10. Public Health, Epigenetics, and Urban Sustainability
11. Disaster Risk Reduction and Predictive Analysis
12. Corporate Social Responsibility (CSR) and Environmental, Social, and Governance (ESG) in Sustainable Urban Development
13. Sustainable Green Energy Solutions for Urban Areas.

Inaugural Session

The conference will commence with a grand Inaugural Session that sets the tone for the discussions. Keynote speakers, including government officials, international experts, and academic leaders, will address the urgent need for sustainable development in urban areas. Highlights of the inaugural session is welcome address by the organizing committee. Inauguration by chief guest and keynote speech and launch of conference proceedings and collaborations

Plenary Session

The Plenary Session will delve deeper into cross-cutting themes related to urban sustainability, with a focus on interdisciplinary / multi-disciplinary approaches to solve global urban challenges. Experts from various disciplines will discuss how geo-spatial technologies can enhance the efficiency of urban governance, resource management, and disaster preparedness.

Technical Sessions

The Technical Sessions will cover main theme and a wide range of sub-themes, allowing participants to engage in focused discussions on specific aspects of sustainable urban development. Each session will feature presentations from researchers, practitioners, and policymakers, showcasing new research findings, technological advances, and innovative projects.

Panel Discussions

A series of Panel Discussions will feature experts from academia, industry, and government, providing an interactive platform for

debating the most critical issues related to future urban sustainability. The sessions will also allow the audience to engage with panellists, fostering a lively exchange of ideas.

Call for Abstracts

Full-Length Papers and Posters

Along with all types of abstracts and the full-length of original research paper / posters should be submitted only by online mode on the focal theme and sub-themes of the conference (Submit through online registration) within the deadline. **Selected research papers will undergo a peer-review process and will be published in the UGIT's International Journals* - "Geographical Analysis" & "Geo-eye".** Further details visit websites of www.bangaloreuniversity.karnataka.gov.in & www.ugit.net Abstract without registration fees will not be printed in the abstract volume. Selected abstracts with full-length research papers / posters will be invited to present in the conference during 19–20 December 2024. Authors will be informed whether their submission has been selected for oral presentation, poster presentation, or publication.

Abstract Guidelines

Abstract Length should be maximum 300 words. Title should be clear, concise, and no longer than 15 words. Include the names, affiliations, and contact details of all the authors, with the presenting author clearly indicated. Structure of the abstract should follow – introduction, objectives, methodology, results and conclusion. Include 3-5 keywords. All submissions must be in English. The work submitted must be original and not under consideration elsewhere. Expert committees are involved for screening of abstracts as well as to classify them into main theme and subthemes.

Posters Guidelines:

Abstract Submission for Posters is similar to oral presentation abstracts, maximum 300 words which will be printed in souvenir. Poster Size - Maximum A0 (841 x 1189 mm) in portrait orientation. Design - Posters should include sections like Title, Introduction, Methods, Results, and Conclusions, with clear, legible text and high-quality graphics. Presentation - Authors will be expected to present their poster and engage in a Q&A during the poster session. Display Time - Posters should be set up prior to the session and will remain on display for the entire session day.

Abstract Submission Deadline: December 12, 2024

Full-Length Paper and Poster Submission Deadline: December 16, 2024

Submission Platform: All submissions (abstracts, full papers, and poster abstracts) must be uploaded via:

Submission Portal:

<https://forms.gle/nxuafmHLyURXcKuZ8>

The Best Paper / Poster Awards: This will be given to the most outstanding paper / poster presentation based on content, design, and engagement with attendees. The winner will receive a certificate of recognition and will be highlighted during the closing ceremony.

Publication Opportunities: Selected papers will be considered for publication in a special issue of reputed journals in the field of sustainable urban development and geo-spatial technologies. High-quality papers may also be recommended for publication in indexed international journals.

Young Scientists Award

Research articles along with abstracts are invited from young researchers who are below the age of 30. All the research papers which are submitted under this category should be focused on conference theme and sub-themes. The candidate must be the first author of the paper presented at the conference. Papers on these categories have to be in the original format and not published anywhere earlier. The best presentation will be selected for the cash prize of Rs.10,000, would be given along with certificates. The selection would entirely based on relevance of the research topic, methodology & techniques used for analysis, output of the research and the quality of the work presentation. The first author should invariably be a student (UG, PG or Ph.D.) or a young researcher. This session requires at least 10 participants.

UGIT's Excellency Award – 2024

UGIT's Excellency Award is a form of honour, a kind of recognition aimed to felicitate one's excellent contribution in a chosen field. An award is not only a great prestige or a mark of excellence, but also is tremendous boost for personalities who strives and excel higher and aim for even bigger accomplishments in life. It is the ultimate token of recognition of purest of talents and highest of achievements. With an objective to encourage and inspire the teaching and research community UGIT is giving Excellency Awards since 2015. The executive body selects the contributors to felicitate them on UGIT's 13th International Conference. The Awardees name and achievements would appear in UGIT's Journal of Geographical Analysis. On the day of inaugural session of the International Conference, UGIT would like to recognize and honor researchers, Geographers, technologists and academicians from geo-spatial community, who have best record in the irrespective areas and who have promoted geospatial technologies by applying in different fields will be felicitated in the inaugural function of International Conference. Three candidates will be selected across India and World.

Main Objectives of the International Conference:

1.Foster Multidisciplinary Collaboration: To bring together experts from various fields such as geoinformatics, environmental science, urban planning, water resource management, disaster risk reduction, and public health to discuss integrated solutions for sustainable development of future cities.

2.Promote Innovative Geo-Spatial Solutions: To highlight the role of cutting-edge geo-spatial technologies such as GIS, remote sensing, AI/ML, and IoT in addressing key urban challenges like climate change, disaster resilience, infrastructure planning, and resource management.

3.Encourage Knowledge Exchange and Best Practices: To provide a platform for researchers, policymakers, industry professionals, and practitioners to exchange knowledge, share case studies, and discuss best practices for achieving environmental sustainability and urban resilience.

4.Address Critical Urban Sustainability Issues: To explore innovative approaches for sustainable water resource management, environmental protection, disaster preparedness, and net-zero initiatives aimed at creating future cities that are resilient, efficient, and livable.

5.Support Young Scientists and Emerging Researchers: To encourage the participation of young scientists and emerging researchers through dedicated sessions such as the Young Scientists Award, providing them with opportunities to present their work and receive recognition.

6.Formulate Policy Recommendations: To develop actionable recommendations for policymakers and urban planners to integrate geo-spatial solutions and multidisciplinary approaches in urban planning, disaster risk management, and infrastructure development for sustainable future cities.

7.Build Global Networks and Partnerships: To facilitate networking and collaboration among academic institutions, governmental agencies, international organizations, and industry leaders for joint research initiatives and capacity-building programs focused on the sustainable development of cities.

About Bangalore University

Bangalore University is one of the largest Universities in India located in the South-Western part of Bengaluru city, adjacent to Mysore Road and is roughly 10 km from Railway-station / Kempe Gowda Bus-Station (KBS) and around 40 km from Bengaluru International Airport. The university has been awarded with A++ (3.75/4) grading by NAAC and also been awarded with Category-I university by UGC in 2023. The University has been awarded with 100 crores under Prime Minister Uchchatar Shiksha Abhiyaan (PM-USHA) in 2024. The Week-Hansa–best university Survey 2016 of Indian Universities has ranked Bangalore University at 15th position at the National level and state level it is number one position amongst the surveyed Universities. The QS–University ranking BRIC–An International Agency has ranked Bangalore University at 151st position amongst the BRICS nations (Brazil, Russia, India and China).

Accommodation

Registered and confirmed participants will be provided accommodation within Bangalore University campus and nearby places. Accommodation in formation with details will be sent through e-mail communication. Accommodation facility would be extended during conference dates only. Any accompanied persons need to pay extra charges. Delegates wish to stay extra days have to pay on their own.

Advisory Committee

Dr. Aravinda Mulimani, Professor, Karnatak University

Dr. Jayashree, Professor, University of Mysore

Dr. Shree Nagesh, Professor, Hyderabad University

Dr. Krishnakumari, Professor, Krishnadevaraya University

Dr. Emayavaramban, Professor, Madurai Kamaraj University

Dr. Dashratha Angadi, Professor, BU

Dr. Arun Das, Professor, BU

Dr. Jegan Kumar R, Professor, BU

Dr. T.K. Prasad, Associate Professor, BU

Dr. Basavaraj Bagade, Coordinator, KRC University

Shri Pritam Kumar Sinha, Nodal Officer, CSR, GoK.



Registration Fees

Indian Delegates

Faculty : ₹ 2000

Researcher : ₹ 750

Students : ₹ 200

Delegates (UGIT Members)

Faculty : ₹ 1500

Researcher : ₹ 500

Foreign Delegates

Faculty : \$50

Researcher : \$25

Account No: 64042062621

Bank Name: State Bank of India

Branch : Nagarabhavi

(Bangalore University Campus)

IFSC: SBIN0040211

SWIFT Code: SBININBB240

Spot Registration: ₹ 2500

Convener & Chairman

Prof. Ashok D. Hanjagi

Deptt. of Geography &

Geoinformatics,

President UGIT, BU

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Asst. Adviser, NAAC &

Secretary, UGIT, BU

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