

Union of Geographic Information Technologists (UGIT's)

Department of Geography & Geoinformatics, Science Forum Bangalore University

Jointly Organized

UGIT's 12th International Conference



NAAC Accredited with 'A++' Grade



Climate Change and Sustainable Development of Natural Resources - Applications of Geospatial Technologies



Patron



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

Guests



Shri Sheik Latheef, K.A.S
Registrar
Bangalore University



Prof. Ashok D. Hanjagi
Dean, Faculty of Science, BU

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Distinguish Keynote Speakers



Dr. Prakash Chauhan
Director, NRSC



Dr. Ram Prasath Manohar, IAS,
Chairman, BWSSB



Shri. Girish H C, IFS
Commissioner, Watershed
Development Department



Shri. T. Ramesh
Chief General Manager,
NABARD



Dr. Shahnawaz
Professor, Salzburg University,
Austria



Dr. Hebbar R
Scientist, RRSC



Dr. K V Ramesh
Scientist, CSIR-4Pi



Dr. Ganesh Raj
Former Scientist, ISRO



Dr. V. Ramamurthy
Principal Scientist &
Head, NBSS LUP



Venue: Bangalore University, Jnanabharathi Campus
Bengaluru

Date: 15th & 16th March, 2024

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About the Conference

Climate change refers to long-term changes in the average weather patterns that have been observed over an extended period. It involves alterations in temperature, precipitation, and other atmospheric conditions on Earth. Climate change can manifest at various scales, from local and regional to global, and it encompasses both natural processes and human activities. Natural resources refer to the raw materials and components that are found in the environment and are utilized by living organisms for various purposes. These resources are essential for the sustenance of life and for the functioning of ecosystems. Geospatial technologies involve the use of tools and techniques for collecting, analyzing, interpreting, and visualizing spatial data. These technologies leverage geographic information systems (GIS), remote sensing, global positioning systems (GPS), and other related tools. The applications of geospatial technologies are diverse and impact climate change and natural resources fields. The conference appears to be a response to the urgency outlined in the IPCC report, bringing together experts, researchers, and professionals to discuss and strategize on how to enhance climate resilience and promote sustainable development. The location in Bengaluru, Karnataka, suggests a regional focus with potential implications for broader applications. The conference is poised to be a platform for sharing knowledge, fostering collaboration, and formulating strategies for addressing the challenges posed by climate change. Participants can expect discussions on the latest research findings, the formulation of action plans, and the exploration of solutions that contribute to a sustainable and resilient future. Considering this, a two-day international level conference on “Climate Change and Sustainable Development of Natural Resources – Applications of Geospatial Technologies” is scheduled during 15 – 16 March 2024 at Bangalore University, Jnanabharathi Campus, Bengaluru, Karnataka, India.

Objectives of the Conference

This international conference aims to:

1. Analyse the impacts of climate change on various natural resources.
2. Highlight the role of geospatial technologies in sustainable natural resource development.
3. Facilitate a platform for knowledge exchange among experts, researchers, and practitioners.
4. Promote the integration of geospatial technologies in policy-making and strategic planning for climate resilience.

Sub Themes

1. Water Resource Management and Watershed Analysis
2. Climate-Smart Agriculture and Food Security
3. Sustainable Management of Forest Resources
4. Environmental Sustainability
5. Soil Conservation and Land Management
6. Mining, Quarrying, and Renewable Energies
9. Sustainable Urban and Rural Development
10. Population Dynamics and Resource Management
11. Building Resilient Societies and Communities
12. Advanced Applications in Remote Sensing, GIS, and Geo-Surveying

Expected Outcomes of the Conference

The conference is expected to result in a comprehensive understanding of the challenges and opportunities in using geospatial technologies for sustainable natural resource development in the context of climate change. It aims to establish a collaborative network of professionals and foster innovative solutions, with the ultimate goal of contributing to global sustainability and resilience.

Inaugural Session: Renowned scientists and eminent personalities will be delivering key-note address on the focal theme and sub-themes on the conference.

Plenary Session: Distinguished speakers from various fields will be invited to deliver lead lectures on the focal theme and sub-themes of the conference to broaden the horizon of delegates knowledge. To help the budding postgraduate students and research scholars, lead lectures /invited talks are arranged This helps researchers and students to capture the knowledge in Geoinformatics (Remote Sensing, GNSS & Geographic Information System) and use the same in their respective disciplines. This also helps them to get placements in MNCs.

Technical Session: Each technical session will be chaired by eminent scientist and theme-wise technical sessions will be arranged to help large number of delegates on the focal theme and sub-themes of the conference.

Panel Discussion: The panel session of the conference will be conducted at the end of the conference. The panel session of the conference will be useful to trigger an exchange of viewpoints among experts, either with prepared statements or in response to the questions from the public audience.

Call for Papers

Along with the abstract 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 dead line. Selected research papers 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. Expert committees are involved for screening of abstracts as well as to classify them into main theme and subthemes. Further, it is suggested that the first author should invariably be a student (UG, PG or Ph.D.) or a young researcher. Selected abstracts with full-length research papers / posters will be invited to present in the conference during 15 – 16 March 2024.

Submission link: [Upload your abstract in the registration form itself.](#)

UGIT'S Young Technologist 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. 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.

UGIT'S Excellency Award

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 12th 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 their respective 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.



UGIT'S Excellency Awardees-2024



Dr. Prakash Chauhan
Director, NRSC



Dr. Ravindra G. Jaybhaye
Professor, University of Pune



Dr. Anjana Vyas
Professor, CEPT University

Science Day Competitions

Science Model Exhibition, Pick & Speak, Essay Writing, Poster presentation & Quiz : The Post Graduate / Research Students up to 30 years of age can be participate in this event.

Who are the Participants?

Conference participants include teaching faculty, scientists, climatologists, policy makers, research scholars and post graduate students of various universities, officers of government line departments, scientists from research institutes as well as science writers and interested general public.

About Bangalore University

Bangalore University is one of the largest Universities in India which is 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 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 information 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.

Organising Committee

Dr. Shiva Kumar R.	Dr. Nischitha V.	Dr. Abdul Rahaman S	Dr. Nagabhushana
Mr. Hemanth Reddy	Dr. Shahnin Irfan	Mr. Venugopal T.V.	Dr. Divya S.
Dr. Harish .H.S	Mr. Veerednra Patil	Mr. Shashank B Patel	Ms. Sruthy Vijay
Ms. Kavitha M.	Dr. Rashmi Prasad	Dr. Prathap V.	Ms. Savitha H
Ms. Kuku C.J.	Dr. Mukkappa Rathod	Ms. Lakshmi Patel	Dr. Gizachev Tirunie
Ms. Suzan Karmoka	Mr. Ravikiran T.	Ms. Aparna	Mr. Sharath H.M.
Mr. Basavaraj	Mr. Anilkumar V.	Mr. Ramesh P.D.	Mr. Jagadeesh N.
Mr. Ranganath Naika	Mr.Srinivasa H.C.	Ms. Prarkuti Pilania	Ms. Shilpa D.P.
Mr. Loknath			

Panellists

Dr. J. Krishnamurthy, ISRO Scientist (Rtd)
Dr. Bandyopadhaya, ISRO, Bengaluru
Dr. Malarkodi, Professor, Dept. of Geology, BU
Prof. Ashok Hanjagi, Convener & Chairman, Dept. of Geography, BU
Dr. Priya N, NAAC, Bengaluru
Prof. Kamsali Nagaraj, Professor Dept. of Physics, BU
Dr. Inayathulla M, Professor, Dept. of Civil Engineering, UVCE, BU
Mr. Venkataraju B G - Engineer – ISRO, Bengaluru
Rajeev Jaiswal, Scientist at ISRO, Bengaluru
Dr. Vahini, Assoc. Professor, Dept of Electronic Media, **Rapporteur**

Advisory Committee

Dr. Nagaiah N. Senior Professor, Dept. of Physics, BU
Dr. Vijaykumar Doddamani, Senior Professor, Dept. of Physics, BU
Dr. Srinivas C. Senior Professor, Dept. of Microbiology, BU
Dr. Rajanna L. Senior Professor, Dept. of Botany, BU
Dr. A.R. Ushadevi, Senior Professor, Dept. of Physics, BU
Dr. C.S. Karigar, Senior Professor, Dept. of Biochemistry, BU
Dr. M.K. Kokila, Senior Professor, Dept. of Physics, BU
Dr. J.T. Devaraju, Senior Professor, Dept. of Electronic Science, BU
Dr. Ramesha, Senior Professor, Dept. of Library Science, BU
Dr. Parameshwar Pandit, Senior Professor, Dept of Statistics, BU
Dr. B.L. Muralidhara, Senior Professor, Dept. of Compu. Sci., BU
Dr. M. Hanumanthappa, Senior Professor, Dept of Comp. Scie, BU
Dr. Ramesh, CEO, KSTA, Bengaluru
Dr. U.T. Vijay, Executive Secretary, KSCST, Bengaluru

Important Dates

Abstract Submission : 28 Feb 2024
Full paper Submission: 10 March 2024

Registration Fee

<u>Indian Delegates</u>	<u>Delegates (UGIT Members)</u>	<u>Foreign Delegates</u>
Faculty : ₹ 2000	Faculty : ₹ 1500	Faculty : \$ 50
Researcher : ₹ 750	Researcher : ₹ 500	Researcher : \$ 25
Students : ₹ 200		

Spot Registration: ₹ 2500

Account Details

Account No	: 64042062621
Brank Name	: State Bank of India
Branch	: Nagarabhavi (Bangalore University Campus)
IFSC	: SBIN0040211
SWIFT Code	: SBININBB240

Mode of Presentation: In-person and Virtual

Note: A compendium of selected abstracts of research papers and posters will be compiled and published as a souvenir of the conference. Authors are required to submit a self-certification or declaration confirming that their submitted abstract or poster has not been published elsewhere. Additionally, authors must specify the theme or sub-theme under which they wish to submit their research paper or poster. Delegates participating in the conference are responsible for arranging their own transportation to Bangalore University. Local transport options such as buses, taxis, Ola & Uber cabs, and autos are available from the Airport, Railway Station, and Bus Station to the University Campus.

Important Links:

Weblink : <https://ugit.net/>
Registration : <https://forms.gle/JQcCAJiLnS44WASr9>
Email : secretary@ugit.net

REGISTER HERE



Organisers

Prof. Ashok D. Hanjagi Convener & Chairman, Dept of Geography President UGIT, BU	Dr. Priya Narayanan Asst. Adviser, NAAC, BLR Secretary UGIT	Dr. Surendra P. Assistant Professor, Treasure UGIT, BU.
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National Science Day 2024



Theme: Science for a Sustainable Future



Age limit for the competitions: Up to 30 years



Competitions:

- Exhibitions of Science Models
- Quiz
- Poster Presentation
- Essay Writing
- Pick and Speak



Registration Fee & Guidelines:

Students admission to conference: ₹ 200

- In addition to registration fee of Rs. 200, students have to pay Rs. 100 for each competition separately.

Registration Link : <https://forms.gle/aY5W1R1Sv54iGHpn9>

Who can Participate?: PG Students of Science, Engineering, social science and Research Scholars



Poster: Students are informed to prepare the poster on the theme and sub theme of conference or Science for a Sustainable Future' according to their subject domain. Students should prepare posters based on the instructions given (6*3 size with visible font size) and send it by email : geography@bub.ernet.in

Quiz: There are 50 MCQs, each carries 1 mark. Time: 50 minutes. The guideline will be given by instructor.

Exhibition: Various scientific models need to be exhibited in the space given to the participant.

Essay Writing: Indian legendary scientists with conference main them and sub themes will be given for essay writing.

Pick & Speak: Indian legendary scientists with conference main them and sub themes will be given for talk.

Prizes:

1st Prize: Rs. 10,000

2nd Prize: Rs. 7,500

3rd Prize: Rs. 5,000

Note: To encourage and promote excellence in scientific research, the Science Forum at Bangalore University will award first, second, and third places in various categories including poster presentation, essay writing, pick & speak, quiz, and science model exhibition. The awards include a memento, and a certificate, along with cash prizes. Every participant gets conference kit (*Souvenir, Lunch, Tea, Kit, and Certificate*).

Science Exhibitions



Stalls: bamboo handicrafts, jute work, embroidery, earthen pottery, leather products, organic agricultural products and fruits etc.

Venue: Science Block Corridor, BU

Science Day Committee

Science Model

Dr. K.J. Thara Saraswathi, Professor, Dept. of Microbio., BU
 Dr. Shivaraj Y. Professor, Dept. of Chemistry, BU
 Dr. B.N. Meera, Professor, Dept. of Physics, BU
 Dr. G. Krishnamurthy, Professor, Dept. of Chemistry, BU
 Dr. Basavarj Angadi, Professor, Dept. of Physics, BU
 Dr. Kamsali Nagaraj, Professor, Dept. of Physics, BU

Poster Presentation

Dr. D. Usha Anandhi, Professor, Dept. of Zoology, BU
 Dr. Mahaboob Basha, Professor, Dept. of Zoology, BU
 Dr. Sowbhagya, Assoc. Professor, Dept. of Chemistry, BU
 Dr. H.G. Nagaraja, Professor, Dept. of Mathematics, BU
 Dr. B. Eraiah, Professor, Dept. of Physics, BU
 Dr. S. Abdul Rahaman, Dept. of Geography, BU

Quiz

Dr. T.G. Umesh, Professor, Dept. of Botany, BU
 Dr. Renuka C.J., Professor, Dept. of Physics, BU
 Dr. S.T. Girisha, Professor, Dept. of Microbiology, BU
 Dr. Shivashankar M., Professor, Dept. of Life Science, BU
 Dr. Srinivasa M., Professor, Dept. of Psychology, BU
 Dr. Prakash K.L., Professor, Dept. of Env. Science, BU

Pick & Speak

Dr. Mahesh H.M., Professor, Dept. of Electronic Science, BU
 Dr. T. Ravikiran., Professor, Dept. of Microbiology, BU
 Dr. M. Srinivas., Professor, Dept. of Phycology, BU
 Dr. R. Shivakumar, Dept. of Geography, BU

Essay

Dr. Malarkodi, Professor, Dept. of Geology, BU
 Dr. Manjesh, Professor, Dept. of Electronic Science, BU
 Dr. T. Sripathy, Assoc. Professor, Dept. of Electronic Media, BU
 Dr. Harina Wagamore, Professor, Dept. of Mathematics, BU
 Dr. H. Manjunatha, Professor, Dept. of Biochemistry, BU

Exhibition

Dr. B.P. Harini, Professor, Dept. of Zoology, BU
 Dr. B.C. Nagaraj, Professor, Dept. of Env. Science, BU
 Dr. Nagesh, Professor, Dept. of Geology, BU
 Dr. Sudhakar, Assoc. Professor, Dept. of Geology, BU

Organized by

Bangalore University Science Forum (BUSF)

