

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

Distinguish Keynote Speakers



Dr. Martin J Bunch
York University, Canada



Dr. Shahnawaz
Salzburg University, Austria



Dr. José Miguel Reichert
Universidade Federal de Santa
Maria, Brazil



Dr. Ganesh Raj
ISRO



Dr. M.A. Paul
ISRO



Dr. Hebbar R
RRSC



Dr. K V Ramesh
CSIR-4Pi



Dr. V. Ramamurthy
NBSS LUP



Dr. D Rajasekhar
ISEC

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Venue: Seminar Hall, Dept. of Geography

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, Global Positioning System & 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 to: geography@bub.ernet.in) 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.

Poster Presentation: A researcher who intends to present the posters has to intimate well-in-advance. Use the registration form to submit your poster presentations. Detailed guidelines to prepare the poster presentations are available in the websites of www.bangaloreuniversity.karnataka.gov.in & www.ugit.net Poster presentation competition is to be restricted to UG / PG students and doctoral / research scholars of less than 30 years. 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 their 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 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, 5,000 and 3,000 for 1st, 2nd, & 3rd** 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.

Science Day Competitions

Science Model Exhibition: The Post Graduate / Research Students up to 30 years of can participate in this event. Various scientific models need to be exhibited in the space given to the participant.

Pick & Speak: The Post Graduate / Research Students up to 30 years of can participate in this event. Indian legendary scientists with conference main them and sub themes will be given for talk.

Essay Writing: The Post Graduate / Research Students up to 30 years of can participate in this event. Indian legendary scientists with conference main them and sub themes will be given for essay writing.

Quiz: The Post Graduate / Research Students up to 30 years of can participate in this event. Indian legendary scientists with conference main them and sub themes will be given for quiz competition.

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) At national level it is in 15th position, and state level it is number one position amongst the surveyed Universities.

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. Shank 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 Tiruniei
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.

Advisory Committee

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

Important Dates

Abstract Submission : 28 Feb 2024

Full paper Submission: 10 March 2024

Registration Fee

Indian Delegates

Faculty : ₹ 2000
Researcher : ₹ 750
Students : ₹ 300

Delegates (UGIT Members)

Faculty : ₹ 1500
Researcher : ₹ 500

Foreign Delegates

Faculty : \$ 50
Researcher : \$ 25

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: 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, a neck medal, and a certificate, along with cash prizes. **The prizes are as follows: First Prize – Rs. 10,000, Second Prize – Rs. 7,500, and a Consolation Prize of Rs. 5,000 for each category.** Every participant will receive a conference kit. An expert panel, consisting of eminent scientists and specialists, will evaluate and select the abstracts and full-length research articles for the UGIT's Young Technologist Award and poster presentations. The evaluation criteria will include the relevance of the research topic, originality and innovation, methodology and analytical techniques, research outcomes, and presentation skills and interaction. Each criterion carries 20 marks, making a total of 100 marks. **The selected research articles will be published in the upcoming international peer-reviewed journals 'Geographical Analysis' and 'Geo-eye'.** 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 .**A compendium of selected abstracts of research papers and posters will be compiled and published as a souvenir of the conference.**

Important Links:

Weblink : <https://ugit.net/>

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

Email : secretary@ugit.net

Organisers

Prof. Ashok D. Hanjagi

Convener & Chairman, Dept of Geography
President UGIT, BU

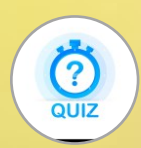
Dr. Priya Narayanan

Asst. Adviser, NAAC, BLR
Secretary UGIT

Dr. Surendra P.

Assistant Professor,
Treasure UGIT, BU.





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 Speech

Poster: Students are informed to prepare the poster on the theme of *Science for a Sustainable Future* and 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**

Who can Participate: PG Students of Science and Engineering and Research Scholars

Note: Winners will be awarded with certificates, memento, along with cash prize. Every above event has separate 1st, 2nd and 3rd prizes. Every participant gets conference kit.

Venu:

Exhibitions	-	Science Block Corridor
Quiz	-	Dept. Physics Seminar Hall
Poster Presentation	-	Dept. Geography Corridor
Essay Writing	-	Dept. Statistics
Pick and Speech	-	Dept. Geology

Time:

Day 1: After inaugural
Day 2: 10:00 – 11:00am
Day 2: 11:00 – 12:00 pm
Day 2: 12:00 – 01:00 pm
Day 2: 02:00 – 03:00 pm

Science Day Committee

Science Model Team

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, 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 Team

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 Team

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, Associate Professor, Dept. of Geology,

Organized by

Bangalore University Science Forum & Dept. of Geography, Bangalore University

