

TOPICS COVERED

- Climate-resilient agriculture and horticulture
- Implications of Climate change on fisheries and coastal ecosystem
- Green building materials and sustainable construction practices for climate-resilient residences.
- Renewable energy systems in promoting sustainable development in residential communities.
- Urban resilience and adaptation strategies for climate change
- Innovative technologies for energy-efficient systems
- Sustainable transportation options for promoting low-carbon mobility.
- Integrated and sustainable water management practices
- Community-based initiatives in promoting climate-resilient sustainable development.
- Sustainable waste management practices
- The impact of climate change on health and well-being of all living organism (with emphasis on me health concept)
- Evaluating the social and economic benefits of climate-resilient residential communities.
- Remote Sensing, Drone & UAV technologies for climate mitigation
- Impact of Climate Change on Biodiversity

KEY OUTCOMES OF THE CONFERENCE

The proposed conference will help the participants to broaden the horizon of their knowledge on the impact of climate change and the necessity for building resilience in society to combat climate change as well as provide an opportunity to network among the research fraternity to discuss possible collective actions to address climate change so as to ensure that planet Earth continues and collaborative to remain habitable for future generations.

COMPETITIONS

- **RESEARCH PAPER PRESENTATION ON CONFERENCE TOPICS** - [5 Mins for each presentation]
- **EXHIBITION OF SCIENCE MODELS** - [Innovative ideas in Climate Change Mitigation / Pollution Control - Working models]

PARTICIPANTS

PG Students of Science and Engineering, Research Scholars, Teaching Faculty & Scientists/ Researchers

PRIZES

- I Prize : Rs. 10,000/-
- II Prize: Rs.7,500/-
- III Prize: Rs.5,000/-
- Consolation Prize: Rs. 3,000/- Along with Certificate
- Selected papers will be published with ISBN No.
- Conference Kits will be provided to all participants

REGISTRATION FEES

- Students : Rs. 750/-** [PG Students & Ph. D Scholars - Not regular employees]
- KSTA ASSOOCIATES : Rs. 750/-**
- Faculty & Scientists : Rs. 1000/-**
- Spot Registration : Rs. 1200/-**

Accommodation will be charged separately

SCAN & PAY



NATIONAL CONFERENCE

A Three Day Event

TOPIC

CLIMATE RESILIENCE AND SUSTAINABLE DEVELOPMENT



November 22-24, 2023
[Wednesday - Friday]

Organised By

KARNATAKA SCIENCE AND TECHNOLOGY ACADEMY [KSTA]
Dept. of Science and Technology, Govt. of Karnataka

In Association with

Ministry of EARTH SCIENCES [MoES]
Govt. of India

NATIONAL BANK FOR AGRICULTURE AND RURAL DEVELOPMENT [NABARD]

and

KARNATAKA SCIENCE AND TECHNOLOGY PROMOTION SOCIETY [KSTePS],
Dept. of Science and Technology, Govt. of Karnataka



REGISTRATION

<https://forms.gle/VBZdYHcawb4uU9Jb9>

Upload the abstract in Google form or mail it to kstaoutreachprograms@gmail.com

IMPORTANT DATE

Last Date for Registration & Submission of Abstracts
November 15, 2023 [Wednesday]

Scan for Location



RSVP: 9845258894

Click on below links for website & other social Media Network



BACKGROUND

Climate resilience and sustainable development are two important concepts that are closely related to each other. Climate resilience refers to the ability of a community or a region to withstand and respond to the impacts of climate change. On the other hand, sustainable development refers to the approach of meeting the present generation's needs without compromising future generations' ability to meet their own needs. Hence, climate resilience and sustainable development require careful planning and coordination to achieve economic, environmental and social progress. The synthesis report of the sixth assessment report of the Intergovernmental Panel on Climate Change (IPCC) calls for rapid and far-reaching transitions across all sectors of economy to achieve deep and sustained emission reductions in order to secure a livable and sustainable future for all.

Considering this, a three-day conference on Climate Resilience and Sustainable Development is scheduled during 22 - 24 November 2023 (Wednesday - Friday) at KSTA premises, Bengaluru, Karnataka.

OBJECTIVES

The broad objective of the proposed National Conference is to raise awareness and understanding of climate change and its impacts on sustainable development, while specific objectives of the conference include:

- To enhance participants knowledge of strategies and practices for building climate resilience in communities and ecosystems.
- To identify and analyze the key drivers of vulnerability to climate change and the barriers to achieving sustainable development.
- To foster collaboration and networking among participants and stakeholders for effective climate resilience and sustainable development, designing, planning and implementation.
- To provide a platform for presentation of their research outcomes in the form of papers and innovative ideas in the form of scientific models.

ABOUT KSTA

Karnataka Science and Technology Academy (KSTA), an autonomous organization under the Department of Science and Technology, Govt. of Karnataka was established in the year 2005 under the Chairmanship of Padma Vibhushan Awardee Prof. U.R. Rao, Former Chairman, ISRO/Secretary, DOS, GOI. KSTA was established with an objective of fostering STEAM (Science, Technology, Agriculture, Engineering and Mathematics) education at different levels in an educational pyramid as well as to popularize science among the general public in the State.

KSTA has been conferred the prestigious '**National Award for Outstanding Efforts in Science & Technology Communication in General (Category-A) for the year 2022**', by the National Council for Science and Technology Communication (NCSTC), Department of Science and Technology, Government of India.

ABOUT MoES

The **Ministry of Earth Sciences (MoES)**, under the Government of India, is mandated to provide services for weather, climate, ocean and coastal state, hydrology, seismology, and natural hazards; to explore and harness marine living and non-living resources in a sustainable manner for the country and to explore the three poles of the Earth (Arctic, Antarctic and Himalayas). MoES was formerly the Department of Ocean Development (DOD), which was created in July 1981 as a part of the Cabinet Secretariat directly under the charge of the Prime Minister of India. It became as a separate department in March 1982. The erstwhile DOD functional as a nodal institution for organizing, coordinating and promoting ocean development activities in the country. The Government of India notified DOD as the Ministry of Ocean Development in February 2006.

ABOUT NABARD

NABARD is India's apex development bank, established in 1982 under an Act of the Parliament to promote sustainable and equitable agriculture and rural development. In its journey of more than four decades, this premier financial institution for development has transformed lives in Indian villages through agri-finance, infrastructure development, banking technology, promotion of microfinance and rural entrepreneurship through SHGs & JLGs and more. It continues to aid in nation building through participative financial and non-financial interventions, innovations, technology and institutional development in rural areas.

Chief Patron:

Shri N S Boseraju

Hon'ble Minister for Minor Irrigation and Science & Technology Govt. of Karnataka

Patrons:

Dr. Ekroop Caur, IAS

Secretary

Dept. of Electronics Information Technology, Biotechnology and Science & Technology, Government of Karnataka

Shri A B Basavaraju, IAS

Managing Director

Karnataka Science and Technology Promotion Society [KSTePS] Govt. of Karnataka

Prof. S Ayyappan

Chairman, NABL & Former DG, ICAR

ADVISORY COMMITTEE

Members

Prof. Dayanand Agsar, Vice Chancellor, Gulbarga University, Kalaburagi

Prof C Vasudevappa, Former Vice Chancellor, NIFTEM, Haryana & UAHS, Shivamogga

Col. Prof. Y S Siddegowda, Former Vice Chairman, Karnataka Higher Education Council, Bengaluru

Dr. H Honne Gowda, Chief Executive Officer, Multiplex Drone Pvt. Ltd, Bengaluru & Former Special Secretary, DST, GoK

Dr. B E Rangaswamy, Registrar, Visveswaraiah Technological University, Belagavi

Prof. Katre Shakuntala, Former Dean (Science) & Head, Department of Zoology, Bangalore University

Dr. Ramakrishna, Former Director, ZSI & Member, RAMC/ZSI, Bengaluru

Prof. Ashok D Hanjagi, Dean, Faculty of Science, Bengaluru University, Bengaluru

Dr. Prabhakar Sangurmath, Former Executive Director, Hutti Gold Mines Co. Ltd, Bengaluru

Shri K V Prakash, Founder & Director, Ecomolt, Bengaluru

Dr. Sreepada, Professor, Dept. of Zoology, Mangalore University

Dr. S Sreenivasa, Professor & Chairman, Dept. of Chemistry, Tumkur University, Tumkur

ORGANIZING COMMITTEE

Dr. A M Ramesh, - Convenor

Chief Executive Officer, KSTA

Dr. Anand R, Senior Scientific Officer, KSTA

Shri Srinivasu V K, Scientific Officer, KSTA

Shri Umesh Ghatage, Scientific Officer, KSTA

Shri Mahadevegowda, Administrative Officer, KSTA

Shri H V Honnegowda, Accounts Superintendent, KSTA

Shri Dilip Kumar T, Office Superintendent, KSTA

Dr. N Manjappa, Associate Professor & Head, Fisheries Resources & Information Centre, Hesaraghatta, Bengaluru

Dr. M E Vijaykumar, Technical Officer, ICAR, CIFRI [Central Inland Fisheries Research Institute], Regional Centre, Hesaraghatta, Bengaluru

Dr. Karthika B S, Professor & Head, Dept. of Civil Engineering, JNNCE, Shivamogga

