

ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ
ಸ್ಥಾಪನೆ 1916

ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾರ್ಯಸೌಧ
ಕ್ರಾಫರ್ಡ್ ಭವನ, ಅಂಚೆ ಪಟ್ಟಿಗೆ ಸಂಖ್ಯೆ 406
ಮೈಸೂರು-570 005

ಸಂಖ್ಯೆ: ಡಿವಿ6/304/Misc./2019-20

ದಿನಾಂಕ: 31.10.2023

ಸುತ್ತೋಲೆ

ವಿಷಯ: Karnataka Science and Technology Academy, Department of Science and Technology, Government of Karnataka, Bengaluru, ಇವರು ದಿನಾಂಕ 22-24ನೇ ನವೆಂಬರ್ 2023 ರಂದು ಆಯೋಜಿಸಿರುವ ಸಮ್ಮೇಳನದ ಬಗ್ಗೆ.

ಉಲ್ಲೇಖ: Sri A.M. Ramesh, Chief Executive Officer, Karnataka Science and Technology Academy, Government of Karnataka, Bengaluru, ಇವರ ಪತ್ರ ಸಂಖ್ಯೆ: KSTA/CRSD/18/2023-24, Dated 3.10.2023.

Sri A.M. Ramesh, Chief Executive Officer, Karnataka Science and Technology Academy Government of Karnataka, Bengaluru, ಇವರು ಉಲ್ಲೇಖಿತ ಪತ್ರದಲ್ಲಿ, ಭಾವಿಜ್ಞಾನ ಇಲಾಖೆ ಮತ್ತು ನಬಾರ್ಡ್‌ರವರ ಸಹಯೋಗದೊಂದಿಗೆ ದಿನಾಂಕ 22-24ನೇ ನವೆಂಬರ್ 2023 ರಂದು "Climate Resilience and Sustainable Development" ಎಂಬ ವಿಷಯದ ಮೇಲೆ ರಾಷ್ಟ್ರೀಯ ಸಮ್ಮೇಳನವನ್ನು ಆಯೋಜಿಸಲಾಗಿದೆಯೆಂದು, ಸದರಿ ಸಮ್ಮೇಳನದಲ್ಲಿ ಸ್ನಾತಕೋತ್ತರ ವಿದ್ಯಾರ್ಥಿಗಳು, ಸಂಶೋಧನಾ ವಿದ್ಯಾರ್ಥಿಗಳು, ಅಧ್ಯಾಪಕ ವೃಂದದವರು ಮತ್ತು ವಿಜ್ಞಾನಿಗಳು ಭಾಗವಹಿಸಬಹುದೆಂದು ತಿಳಿಸುತ್ತಾ, ಸಮ್ಮೇಳನದಲ್ಲಿ ಸಂಶೋಧನಾ ಲೇಖನವನ್ನು ಮಂಡಿಸುವವರು Abstract of the paper/working model ಗಳನ್ನು ಸಲ್ಲಿಸಲು ದಿನಾಂಕ 16.11.2023 ಕಡೆಯ ದಿನವಾಗಿರುತ್ತದೆಂದು ಸಹ ತಿಳಿಸಿರುತ್ತಾರೆ (ಪ್ರತಿ ಲಗತ್ತಿಸಲಾಗಿದೆ).

ಈ ಸಂಬಂಧ, ಸದರಿ ವಿಷಯವನ್ನು ತಮ್ಮ ವಿಭಾಗದಲ್ಲಿರುವ ಅಧ್ಯಾಪಕ ವೃಂದದವರು/ ಸಂಶೋಧನಾ ವಿದ್ಯಾರ್ಥಿಗಳು/ಸ್ನಾತಕೋತ್ತರ ವಿದ್ಯಾರ್ಥಿಗಳ ಗಮನಕ್ಕೆ ತರಬೇಕೆಂದು ಸೂಚಿಸಲಾಗಿದೆ. ಹೆಚ್ಚಿನ ವಿವರಗಳನ್ನು www.kstacademy.in ಇಲ್ಲಿ ಪಡೆಯಬಹುದಾಗಿರುತ್ತದೆ.

ಕುಲಸಚಿವ.

ಗೆ:

1. ಅಧ್ಯಕ್ಷರು, ಎಲ್ಲಾ ವಿಜ್ಞಾನ ಅಧ್ಯಯನ ವಿಭಾಗಗಳು, ಮಾನಸಗಂಗೋತ್ರಿ, ಮೈಸೂರು.
2. ಪ್ರಾಂಶುಪಾಲರು, ಯುವರಾಜ ಕಾಲೇಜು, ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ, ಮೈಸೂರು.
3. ಸಂಯೋಜಕರು, ಐಸಿಡಿ, ಗಣಕ ವಿಜ್ಞಾನ ಅಧ್ಯಯನ ವಿಭಾಗ, ಮಾನಸಗಂಗೋತ್ರಿ, ಮೈಸೂರು- ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ವೆಬ್‌ಸೈಟ್‌ನಲ್ಲಿ ಮಾಹಿತಿಯನ್ನು ಅಪ್‌ಲೋಡ್ ಮಾಡಲು ಸೂಕ್ತ ಕ್ರಮಕೈಗೊಳ್ಳಲು ಕೋರಲಾಗಿದೆ.
4. ಕಛೇರಿ ಪ್ರತಿ.

Karnataka Science and Technology Academy (KSTA)

Dept. of Science and Technology, Govt. of Karnataka

Prof. U.R. Rao Vijnana Bhavana, Adjacent to Horticulture Science College Entrance, GKVK Campus
Major Sandeep Unnikrishnan Road, Doddabettahalli Bus Stop, Vidyanarayapura Post, Bengaluru - 560 097
Ph.: 080-29721550, email: ksta.gok@gmail.com, website:kstacademy.in



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03 October 2023

KSTA/CRSD/18/2023-24

Dear Sir,

Greetings from Karnataka Science and Technology Academy (KSTA), Dept. of Science and Technology, Govt. of Karnataka.

I would like to bring to your kind information that KSTA is organizing a National Conference on "**Climate Resilience and Sustainable Development**" during 22-24 November 2023 with the support of the Ministry of Earth Sciences and NABARD. The conference will have distinguished talks by eminent domain experts on topics related to the focal theme. The conference delegates include postgraduate students, research scholars, teaching faculty, and scientists from across the Country.

The delegates will also have the opportunity to present their research papers and working models that align with the focal theme. I am pleased to inform you that a panel of experts will select the four best papers and models each, which will be awarded cash prizes and certificates of recognition. In order to provide more information about the conference, I have attached a copy of the flyer along with the list of resource experts for your reference. The last date for submission of an extended abstract of the paper/working model is November 16, 2023 (Thursday). The selected authors will be invited to make presentation in the conference. Further, the selected papers will be published in a special journal with an ISBN number.

We kindly request your support in circulating the conference details among the postgraduate students, research scholars and teaching staff of your esteemed University. Their participation would greatly contribute to the success and impact of the event.

Looking forward to your kind support and encouragement.

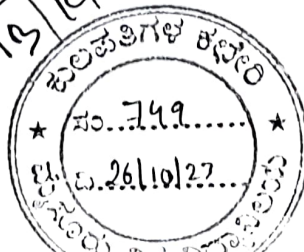
With best regards,

Yours faithfully,

(A M Ramesh)

Chief Executive Officer

To,
Prof. Lokanath N.K
Vice Chancellor
University of Mysore
Crawford Hall, Mysore – 570005



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 ASSOCIATES : 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 Ayyappa

Chairman, NABL & Former DG, ICAR

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Shivamogga

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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

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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, - Convener
Chief Executive Officer, KSTA

Dr. Anand R, Senior Scientific Officer, KSTA

Shri Srinivasu V K, Scientific Officer, KSTA

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Information Centre, Hesaraghatta, Bengaluru

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Fisheries Research Institute], Regional Centre, Hesaraghatta,
Bengaluru

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

National Conference
on
"Climate Resilience and Sustainable Development"

Date: 22-24 November 2023

Venue: KSTA Office

Horticulture College Entrance
Maj. Sandeep Unnikrishnan Road
Vidyaranyaपुरa
Bengaluru

Time Schedule

Inauguration of the Conference: November 22, 2023 (Wednesday) @ 10.30 AM		
Technical Session - Day -1		
Time	Resource Expert	Topic
11. 45 AM 12.45 PM	Prof S Ayyappan Chairman, NABL & Former DG, ICAR & Secretary, DARE, Mysuru	Climate Smart Agriculture for Sustainable Development
12.45 PM 1.45 PM	Dr Anita Arjundas Executive Director ATREE, Bengaluru	Nature-based Solutions for Climate Mitigation and Adaptation
Lunch Break: 01.45 PM - 02.30 PM		
02.30 PM 03.30 PM	Dr H Honne Gowda CEO, Multiplex Drone Pvt. Ltd & Former Special Secretary, DST, GoK, Bengaluru	Applications of Drones in Climate Change Mitigation
Tea/Coffee Break - 03.30 Pm – 4.00 Pm		
4.00 PM – 5.00 PM	Dr Ramakrishna Former Director, ZSI, Gol & Member, RAMC/ZSI, Bengaluru	Impact of Climate Change on Marine Ecosystem with Special Reference to Coral Bleaching in India
Visit to Science Model & Poster Exhibition: 5.00 PM – 6.00 PM		
Cultural Program: 7.00 PM – 8.30 PM		
Dinner: 8.30 PM Onwards		
Day -2 - Date: 23/11/2023, (Thursday)		
10.30 AM - 11.30 AM	Prof. P P Mujumdar Professor, Department of Civil Engineering & Associate Faculty, Interdisciplinary Centre for Water Research, IISc, Bengaluru	Impacts of Climate Change on Water Resources
Tea/Coffee Break: 11.30 Am – 12.00 Noon		

12.00 Noon 01.00 PM	Dr R Hebbar Scientist-G/General Manager, RRSC- South, NRSC,ISRO, Bengaluru	Applications of Satellite Remote Sensing in Climate Change Mitigation
Lunch Break: 01.00 PM - 02.00 PM		
02.00 PM – 03.00 PM – Visit to Science Model & Poster Exhibition		
Tea/Coffee Break – 03.00 PM – 03.30 PM		
03.30 PM 04.30 PM	Dr Indu K Murthy Sector Head - Climate, Environment, and Sustainability Center for Study of Science, Technology and Policy, Bengaluru	Climate Change Mitigation, Vulnerability and Risk Assessment
04.30 PM – 05.30 PM	Prof. Mahesh Sankaran Community and Ecosystem Ecology National Centre for Biological Sciences (NCBS) Tata Institute of Fundamental Research Bellary Road, Bengaluru	Impact of Climate Change on Grassland Ecosystem
Cultural Program: 6.30 PM – 8.00 PM		
Dinner: 8.00 PM Onwards		
Day – 3 - Date: 24/11/2023, (Friday)		
10.30 AM – 11.30 AM	Prof. S.K. Satheesh Chairman Divecha Centre for Climate Change, Indian Institute of Science, Bengaluru	Effect of Aerosols on Climate Change
Tea/Coffee Break: 11.30 Am – 12.00 Noon		
12.00 Noon – 1.00 PM	Prof. Sebastian Chirambatte Peter Professor, New Chemistry Unit. School of Advanced Material (SAMat), Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bengaluru	Carbon Capture and Utilization (CCU)
Lunch Break: 1.00 PM – 2.00 PM		
2.00 PM - 3.30 PM	Panel-Discussion	
Valedictory: 3.30 PM – 5.00 PM		
High Tea & Closure		