

36th KERALA SCIENCE CONGRESS

8-11 February 2024

Government College, Kasaragod



Focal Theme:
**Transforming Kerala's
Economy through
One Health Approach**



सत्यमेव जयते



36th KERALA SCIENCE CONGRESS

The Kerala Science Congress, an annual event initiated by the Science Technology & Environment Committee (STEC) in 1989, brings together scientists and technologists from Kerala and beyond. It aims to instill scientific thinking among the youth and provide a platform for scientific discourse, discussion, and dissemination. Over the years, the congress has grown into a significant gathering of the scientific community, fostering knowledge exchange and promoting scientific advancements in the state. The upcoming 36th edition of the Kerala Science Congress will be organized by Kerala State Council for Science, Technology and Environment (KSCSTE) and coordinated by KSCSTE-CWRDM at Government College Kasaragod, Vidyannagar.

Focal Theme: Transforming Kerala's Economy through One Health Approach

Kerala, known for its natural beauty and cultural heritage, aims for economic transformation through the One Health Approach. This holistic strategy recognizes the interconnectedness of human, animal, and environmental health, holding potential to strengthen the economy via sustainable practices and innovation. By adopting this approach, Kerala can address issues like zoonotic diseases, antimicrobial resistance, and food safety, improving public health and reducing the burden on healthcare. This fosters a healthier population and a more productive workforce, laying the foundation for economic growth. Additionally, the One Health Approach can open opportunities in biotechnology, agriculture, and tourism, promoting sustainable practices, producing disease-free food, and attracting eco-conscious tourists. To anticipate and prepare for a future warming world, Kerala will leverage the tools provided by modern science (e.g. genomics, AI, nanotechnology, remote sensing etc), and invest in cutting edge technology in order to protect animal and human health and boost the economy. This approach offers Kerala a roadmap for sustainable economic development, setting a model for regions pursuing similar development goals.

Venue and Date

The 36th Kerala Science Congress will be held during 8-11 February 2024 at Government College Kasaragod. A Science Expo will start from 8 February 2024 at Kasaragod Govt College and the 36th KSC will be inaugurated by the Hon'ble Chief Minister of the State on 9 February 2024.

Kasaragod

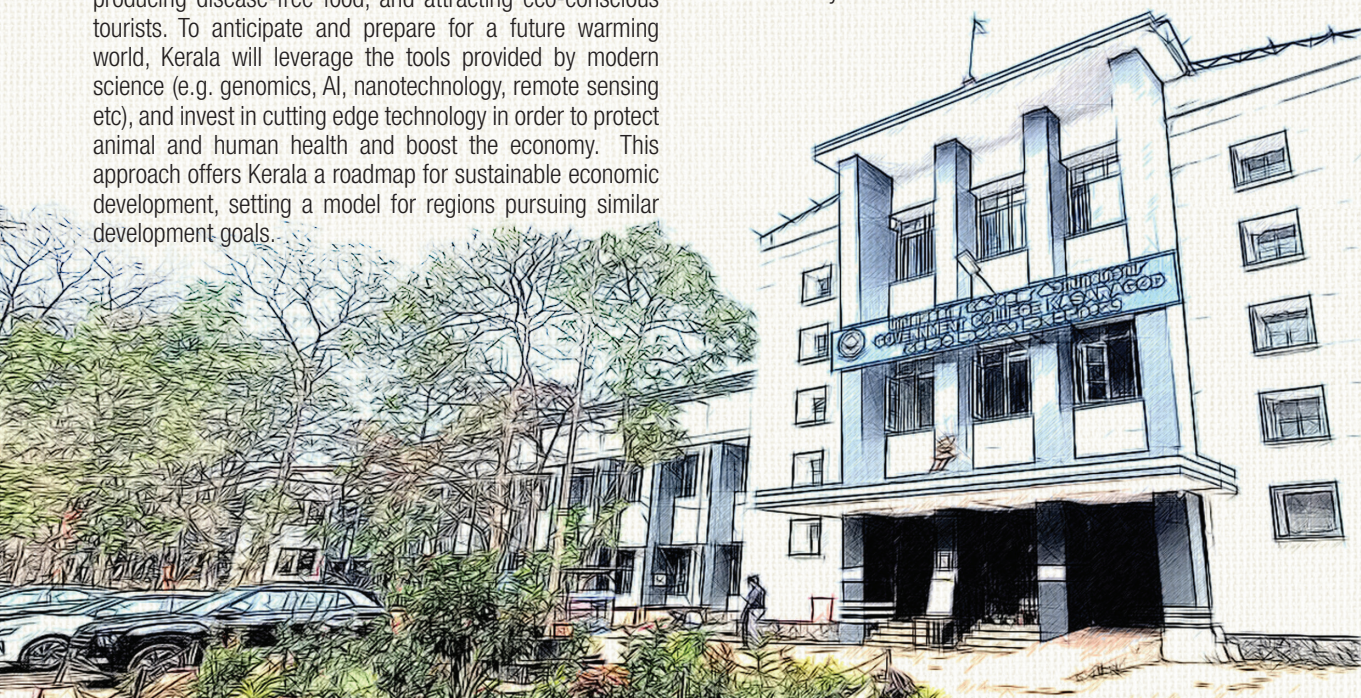
Kasaragod district, nestled amidst the Western Ghats and Arabian Sea, is a captivating fusion of cultural heritage, natural beauty, and coastal allure. Its diverse linguistic communities, embodied by the 'Land of Seven Languages,' shape its unique cultural identity. Bekal Fort, a majestic laterite structure, stands as a testament to its strategic past. Pristine beaches and verdant hills offer tranquil escapes, while its vibrant cultural scene, including the traditional Yakshagana folk theater and the annual Beary festival, reflects the diversity of its people. Kasaragod's harmonious blend beckons travelers to explore its treasures.

Government College Kasaragod

Government College Kasaragod (GCK) is a renowned educational institution in Kasaragod, Kerala, India. Its long history of academic excellence has produced high-achieving graduates. The college offers a wide range of programs and emphasizes research, fostering a supportive learning environment. GCK's diverse extracurricular activities and student support services contribute to student success.

Science Expo

The 36th Kerala Science Congress begins with the opening of science expo. The presence of several pavilions from national institutes, R & D institutes and start-ups will be the hallmark of this event. The Science Expo will be held during 8-11 February 2024.



Technical Session and Subject Areas

The 36th Kerala Science Congress invites Papers and Posters in the following 12 subject areas. Papers submitted in the subject areas also should attempt directly or indirectly for addressing the focal theme of the event.

Agriculture & Food Sciences ● Biotechnology ● Chemical Sciences ● Earth and Planetary Sciences ● Engineering & Technology ● Environmental Sciences, Forestry & Wildlife ● Fisheries & Veterinary Sciences ● Health Sciences ● Life Sciences
Mathematical & Statistical Sciences ● Physical Sciences ● Scientific Social Responsibility



Nobel Lecture & Student Interaction

Morten Meldal is a professor of chemistry at the University of Copenhagen in Copenhagen, Denmark. Prof. Meldal is recognized for his ground-breaking contributions to the field of click chemistry. Meldal's most notable achievement lies in his development of the CuAAC (copper-catalysed azide-alkyne cycloaddition) reaction, a cornerstone of click chemistry. This efficient and versatile reaction revolutionized the field of organic synthesis, enabling the rapid and selective formation of complex molecules. In 2022, Meldal's contributions to click chemistry were honored with the Nobel Prize in Chemistry. Meldal's legacy extends beyond his research accomplishments. He has served as a professor of chemistry at the University of Copenhagen since 1996, inspiring and mentoring generations of scientists. His dedication to teaching and research has earned him numerous accolades, including the Vincent du Vigneaud Award (American Peptide Society), Ralph F. Hirschmann Award (American Chemical Society), Niels Bjerrum Gold Medal in Chemistry (Denmark), The Leonidas Zervas Award (European Peptide Society) etc.

PG Students Interactive Session

KSC will have a dedicated session wherein Post graduate students get an opportunity to interact with eminent scientists in the field. PG students are invited to register online for participating the event.

Memorial Lectures

KSCSTE has instituted Memorial lectures to honour the S&T visionaries to cherish their contributions. Dr. P. K. Iyengar, P. T. Bhaskara Panicker, Dr. P. K. Gopalakrishnan, Dr. P. R. Pisharoty, Dr. G. N. Ramachandran, Dr. E.K. Janaki Ammal, Dr. Thanu Padmanabhan and Dr. M.S. Swaminathan are the distinguished scientists of the past whose contributions will be honoured reminiscently during the lectures, by eminent speakers.

Children's Science Congress

State level winners of National Children's Science Congress will present their project work at the 36th Kerala Science Congress. Students from schools of Kasaragod District, studying in class 7 to 12 are invited to witness the Children's Science Congress session.

Best Oral and Poster Presentation Awards

Papers are invited under one of the following four categories: (a) Best Student's Oral Presentation Award (b) Best Scientist's Oral Presentation Award (c) Best Student's Poster presentation Award (d) Best Scientist's Poster presentation Award. The award carries a Certificate of Merit.

Walk with Scientist

A special opportunity for school students to walk with famous scientists / erudite and get inspired in science by opening the mind through morning walks in the nature. Students in the group (selected 8-10 school students) can lead the discussions and clarify many doubts and questions. The session will be helpful for students in overcoming the inhibitions in questioning, generate curiosity, sharpen skills, develop scientific temper and focus in science for future.

SciSol

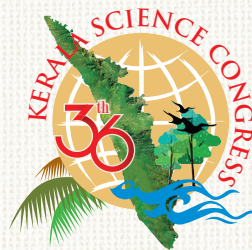
A unique programme to spot challenging local problems and propose scientific solutions. Youth between 15-25 years of age can participate and identify local problems pertaining to Kasaragod District and suggest possible S&T solution. Cash Awards and Prizes for the Best Scientific Solution.

Proceedings of the Congress

Abstracts of accepted papers will be uploaded to the Science Congress website as Proceedings of 36th KSC which can be downloaded after the proceedings are officially released.

Language

Official language of Kerala Science Congress will be English. All paper submissions should be in English. However, contributors are free to present their paper in English or Malayalam in the subject area.



Registration fee

Scientist /Academic Delegates/Participants: Rs. 3000/-

Bonafide Student Delegate: Rs. 1000/-

Accommodation

Scientist/Academic Delegates/participants: They can choose hotels available at subsidised rate for KSC Delegates. Information about hotels will be available in KSC website. Delegates shall pay accommodation charges directly.

Bonafide Student Delegate: Concessional accommodation will be arranged on payment of Rs. 500/-

Dates to remember

10 December 2023

Registration of PG Student starts

25 December 2023

Last date for submission of extended abstracts for contributors.

1 January 2024

Registration for Children's Science Congress starts

19 January 2024

Intimation of acceptance of papers.

25 January 2024

Last date for registration for participation

President

36th Kerala Science Congress

Prof. K.P. Sudheer

Executive Vice President | KSCSTE

Chairperson

36th Kerala Science Congress

Dr. Soumya Swaminathan

Chairperson, MSSRF, Chennai

General Convener

36th Kerala Science Congress

Dr. S. Pradeep Kumar

Member Secretary|KSCSTE

Joint Convener

36th Kerala Science Congress

Dr. C. Arunan

Principal Scientist | KSCSTE



Address for correspondence

Dr. S. Pradeep Kumar

General Convener

36th Kerala Science Congress, KSCSTE, Sasthra Bhavan
Pattom Palace P.O | Thiruvananthapuram 695004

T +91 – 471 – 2548314

ksc.kscste@kerala.gov.in, 36ksckscste@gmail.com