



National Conference of Plant Physiology - 2024

on

FRONTIERS IN CELL TO WHOLE PLANT PHYSIOLOGY: BRIDGING SCIENCE AND SUSTAINABILITY

DECEMBER 17-19, 2024



VENUE

**ICAR-CENTRAL PLANTATION CROPS RESEARCH INSTITUTE
KASARAGOD, KERALA**

ORGANIZERS

Indian Society for Plant Physiology, New Delhi
&
ICAR-Central Plantation Crops Research Institute, Kerala





Welcome Message

This conference aims to explore the critical role of plant physiology in understanding the mechanisms from cell to whole plant systems. It will serve as a pivotal platform by bringing together diverse perspectives and expertise, inspiring innovative solutions, and fostering a community dedicated to advancing both plant physiology and sustainability. This event provides an inspiring and informative platform where leading researchers, academicians, students, industry partners, and other stakeholders can share insights and innovations.

Thematic Areas

- 1 Physiological Responses to Stresses and Crop Improvement:** Understanding plant responses to drought, heat, salinity, flooding, pests, diseases etc.,
- 2 Cutting-edge Technologies in Plant Physiology:** High-throughput phenotyping, application of Omics, AI and ML models, use of IOT, ICT tools, and sensors among others
- 3 Sustainable Agriculture Practices:** Agro-techniques for precision farming, cropping systems, Inputs use efficiency, protected cultivation, hi-tech agriculture, mechanization and gadgets for improved efficiency, biostimulants, microbiome etc.,
- 4 Post-harvest Physiology and Processing:** Effect of physiology on growth and produce quality, food systems, functional biomolecules, biofortification
- 5 Field Physiology and Adaptation Strategies:** Community level adaptation strategies, trade and market potential, industry-academia interactions

Conference Highlights

- ◆ **Keynote Speeches and Invited talks:** Hear from renowned experts in plant physiology and allied sectors
- ◆ **Oral and Poster Presentations:** Showcase your research and network with fellow scientists
- ◆ **Panel Discussions:** Engage in interdisciplinary dialogues on science and sustainability
- ◆ **Workshops and Tutorials:** Hands-on sessions on the latest research techniques and technologies (including plantation crops such as coconut, arecanut and cocoa)
- ◆ **Exhibition:** Explore the latest products and services from plantation industry leaders
- ◆ **Young Scientist Awards and Flash-talk Presentations**

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About Kasaragod



Kasaragod is the administrative headquarters of Kasaragod district in Kerala, India at 12.49° N, 74.98° E. It is the northernmost district of Kerala and is also known as *Sapta Bhasha Sangama Bhumi* ('The Land of Seven Languages'). Kasaragod, this hidden gem of the Malabar Coast has many tourist attractions in her bag to mesmerize you completely. Situated in the rich biodiversity of Western Ghats, it is known for the Chandragiri and Bekal Fort, Chandragiri River, historic Kolathiri Rajas, natural environment of Ranipuram and Kottancheri Hills, historical and religious sites like the Madiyan Kulom temple, Madhur Temple, Ananthapuram Lake Temple, and Malik Deenar Mosque. The historic hill of Ezhimala is located on the southern portion of Kavyai Backwaters of Nileshwaram. Kasaragod is located on the estuary where the Chandragiri River empties into the Arabian Sea. Kasaragod is home to several forts, including Arikady Fort, Bekal Fort, Chandragiri Fort, and Hosdurg Fort. Bekal Fort is the largest fort in Kerala. Talakaveri, home to Talakaveri Wildlife Sanctuary where the 805 km long Kaveri river originates, is located closer to Ranipuram on the Kerala-Karnataka border.

Weather in Kasaragod:

Kasaragod experiences a tropical monsoon climate under the Köppen climate classification. It receives a generous 3,825 mm (150.6 in) of rain annually. The average temperature in Kasaragod in December for a typical day ranges from a high of 86°F (30°C) to a low of 74°F (23°C). The average time that the sky is clear or sunny (partly cloudy or less) in Kasaragod during December is 11.1 hours. In December, Kasaragod is moderately humid with an average amount of 66% (relative humidity), which could be described as sticky.

What to Wear?

With an average high of 86°F (30°C) and a low of 74°F (23°C), it generally feels very warm, sticky. With that in mind, most people would dress in something light like a sleeveless shirt.

Travel information

The nearest airport to Kasaragod is Mangalore (IXE) Airport, Karnataka which is 50 km away. Other nearby airports include Kannur (CNN) (90.2 km) and Calicut (CCJ) (185.1 km) both in Kerala. Railway line passes parallel to the coastal line. The city of Kasaragod has a railway station and there are many trains that ply from this place to other parts of the country. Almost all Express trains will stop in Kasaragod (KGQ) railway station. Kasaragod has a wide network of roads that connect it with the rest of Kerala and in a way, the whole of India. You can always hire cabs to reach this place by road





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Memorial Award Lectures

- Prof. SK Sinha Memorial Award
- Prof. GV Joshi Memorial Award
- Prof. KK Nanda Memorial Award

Prof SK Sopory Endowment Senior Award lecture

Young Scientist Awards

- ASPB-ISPP Award
- Prof. SK Sopory Endowment Award
- Prof. M. Udaya Kumar Memorial Award

Best Oral and Poster Presentation Awards

Abstracts

The participants must register and submit the abstracts online in any of the above thrust areas, through website. The abstract should be typed in English using MS word (Single space; Font- Times New Roman; Font size- 12) and should not exceed 250 words. The abstracts must contain title of the paper, name(s) of author(s) followed by their affiliation and e-mail. The name of presenting author should be underlined.

Accommodation

Kasaragod, as a tourist destination, offers a wide range of accommodation options, from budget to star-rated hotels. Delegates are encouraged to book their accommodation directly with a hotel of their choice (<https://kasargod.nic.in/en/accommodation/>). Alternatively please visit (<https://isppsociety.in/accommodation/>) for more details.

Registration

Participants are requested to register for the conference on Website: <https://isppsociety.in/registration>. Abstracts submitted by registered participants will be published in the 'Abstract Book'.

Registration fee Categories	Early bird Registration	Standard Registration	Late Registration
	(up to 15.10.2024)	(up to 31.10.2024)	(up to 30.11.2024)
Regular (Faculty/Scientist/RA/Post-Doc)	₹ 6,000	₹ 7,000	₹ 9,000
Students (M.Sc./Ph.D./SRF)	₹ 3,000	₹ 4,000	₹ 5,000
Industry Participants	-	₹ 25,000	₹ 30,000

Last date for early bird registration is extended up to 15th October, 2024



Payment details

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