

## Background

Climate change is taking a toll on India's agricultural productivity and farmers' income. Unprecedented rainfall in Kerala, snowfall in Karnataka and cyclone in Orissa are some of the challenges faced by the farmers in the changing climatic scenario. Kerala witnessed unprecedented rainfall and flood during the year 2018 which has crippled the state's agricultural production especially in the sector of plantation crops and spices. This rainfall was about 42% above the normal. These changing climatic regimes alter the production environment, wherein the plant is subjected to multiple stresses in the field, such as increased temperature, greater CO<sub>2</sub>, enhanced UV-B radiation, untimely rainfall and incidence of pest and diseases. All these factors contribute to a reduction in productivity accounting for huge economic losses which calls for immediate attention and intervention from the scientific community. To deal with such situations, a basic understanding of the stress tolerance mechanisms and innovations on mitigation strategies are essential. A brain storming session of research scholars, academicians and industries will help to pool ideas for developing viable management strategies that can serve as contingency packages for farmers and also provide guidelines to policy makers to deal with unforeseen environmental calamities.

In this context, the Department of Plant Physiology, Kerala Agricultural University is privileged to host the National Conference of Plant Physiology-2019 (NCP-2019) to bring together pioneer scientists, researchers, specialists and students to exchange and share their experiences and research findings on all aspects of plant physiology. It will also provide a premier interdisciplinary platform to present and share their concerns as well as practical challenges encountered in the field and also discuss the most recent innovations to develop climate resilient crops. The conference is being organized from 19<sup>th</sup> to 21<sup>st</sup> December, 2019 at College of Horticulture, Kerala Agricultural University, Thrissur, under the aegis of the Indian Society of Plant Physiology (ISPP), New Delhi.

## Location

Thrissur, known as the cultural capital of Kerala is the third largest city of the state, which is 55 km from Cochin International Airport. The city is well connected by road and rail to all parts of the country. A truly cosmopolitan city with well known temples, churches and mosques, it is also a vibrant economic hub and the home town of popular silk traders and gold jewellers of the state.

## Awards

The following awards will be presented during the conference.

### I. Memorial Lecture Awards

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

### II. Young Scientist Awards

### III. Best Poster Awards

## How to Register

The participants are required to register online through the link available on the website of the conference (<https://www.nppcongress.in/>). The registration payment has to be made through above online link only. No payment will be received in cash or through cheque/DD. No onspot registration will be paid. The details of the registration amount are given below.

## Registration fee

Registration Categories	Early bird registration (upto 30 <sup>th</sup> Sept., 2019)	Late registration (upto 30 <sup>th</sup> Nov, 2019)
Regular (Faculty/Scientist/ RA/Post-Doc)	INR 5,000	INR 8000
Students (M.Sc./Ph.D./SRF)	INR 2,500	INR 3,000
Industry & Private Organizations	INR 15,000	INR 25000
Accompanying person (one)	INR 3,000	INR 3,000

## Abstracts Submission

The participants have to submit the abstracts of their work in any of the above thrust areas, through online only available on the website of the conference. Before uploading the abstract, the participants have to pay Rs. 500/- towards the fee of the abstract submission through online only. However, this amount of Rs. 500/- will be adjusted in the registration fee, which can be paid later but the abstract fee is not refundable. The abstract can be submitted on or before 15<sup>th</sup> September, 2019. 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.

### Thrust Areas

1. Abiotic Stress Adaptations and Management
2. Photosynthesis and Crop Productivity
3. Plant Microbe Interactions
4. Physiology of Tree and Plantation Crops
5. Genomics – Assisted Crop Improvement
6. Climate Change Impacts and Crop Modelling
7. Anthropogenic Induced Stress
8. Physiology of Horticultural Crops and Post-harvest Physiology

### Special Sessions

Three special sessions will be organized concurrently during the national conference as mentioned below.

**S1:** Brain Storming Session on Mitigation Strategies for Stress Management

**S2:** Institute Industry Farmers Interface

**S3:** Inter Collegiate Quiz competition for students

### Accommodation

Accommodation for registered delegates will be arranged in the University guest houses at nominal charges and in nearby hotels. Details of the hotels will be provided shortly on the website of the conference. Participants desirous of availing hotel accommodation are advised to contact the hotels directly and book the accommodation as per their eligibility. Availability of guest house accommodation is limited and will be provided to only registered participants on first come, first served basis.

### Important dates

<b>Abstract Submission</b>	–	<b>15<sup>th</sup> September, 2019</b>
<b>Early Registration</b>	–	<b>30<sup>th</sup> September, 2019</b>
<b>Accommodation Request</b>	–	<b>15<sup>th</sup> October, 2019</b>

### Convener:

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### Co-convener:

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# National Conference of Plant Physiology NCPP-2019

## Plant Productivity and Stress Management

**December 19-21, 2019**



*Organized by*

Department of Plant Physiology  
Kerala Agricultural University, Thrissur  
&  
Indian Society for Plant Physiology  
New Delhi

