



NATIONAL SEMINAR

on

Fruit Production in Eastern Tropical Region of India

Challenges and Opportunities

March 24-26, 2022

Virtual Mode

Venue

**Central Horticultural Experiment Station
(ICAR-Indian Institute of Horticultural Research)
Bhubaneswar, Odisha**



Organized by

**Central Horticultural Experiment Station
(ICAR-IIHR), Bhubaneswar**

In collaboration with

**Society for Promotion of Horticulture
(ICAR-IIHR), Bengaluru**

Financial Support



Background

The eastern tropical region of India comprises of Odisha, Chhattisgarh, part of Jharkhand, West Bengal and coastal Andhra Pradesh. The region is considered as one of the potential areas for fruit crops owing to genetic diversity and climatic suitability. The fruit production system of the region is dominated by mango, banana, guava, citrus, jackfruit litchi and papaya; however underutilized fruit crops as well as exotic fruit crops are being considered as important components. Production-associated constraints are important limitations for the development of fruit industry in the region. In recent years, climatic vagaries have posed substantial threat to the fruit production system of the region as well as the profitability of farming community. Hence an effective deliberation on different aspects of fruit production system is required for devising strategies for the development of fruit industry in the region. In this background, a **National Seminar on “Fruit production in Eastern Tropical Region of India: Challenges and Opportunities”** is being organized to give an impetus to the fruit industry of the eastern tropical region. The present Seminar will discuss the issues such as exploitation of genetic diversity, approaches for yield sustainability and fruit quality improvement, enhancing nutrient and water use efficiency, crop diversification, mitigation strategies for cyclone-induced damage, organic fruit production, plant protection approaches, post-harvest management strategies, produce management, etc. This Seminar will provide an effective forum for discussion and exchange of information on technological advancement among policy makers, scientists and stakeholders to address the challenges and achieve the sustainable development of fruit industry in the eastern tropical region. The recommendations would serve as a guide for devising a road map for the development of fruit sector in the region as well as for future course of research activities.

Themes

- Exploitation of genetic diversity in fruit crops: mango, jackfruit, banana, jamun, citrus, tamarind, rose apple, *Dellinia*, carambola, wood apple, star gooseberry, etc.
- Genetic improvement and novel approaches in fruit breeding including mutation and rootstock breeding.





- Climate change, cyclone induced crop damage and mitigation strategies.
- Novel approaches in plant propagation including *in vitro* propagation.
- Sustaining yield and fruit quality under HDPS: Plant architecture, canopy management, use of PGRs, pruning, crop load management, etc.
- Resilience in Horticulture through fruit crop diversification for doubling farmers' income: Intercropping, exotic fruit crops, etc.
- Precision horticulture, protected cultivation, and nutrient and water management.
- Organic fruit production, role of microbes in fruit crop production and in pest and disease management.
- Plant protection strategies in fruit crops including biorational approaches.
- Non-destructive quality assessment, post-harvest management strategies and market linkage.
- New initiative in produce management (FPO, SHGs, Entrepreneurship development, Incubation, etc.) and Government schemes for Horticulture development.

Participants

The seminar is envisioned to provide a platform for exchange of knowledge, effective deliberations and thoughts among the scientific fraternity, KVKs, horticulture officers, entrepreneurs, progressive farmers and students. The seminar will provide opportunity to all the scientists/officers of ICAR institutes, SAUs, KVKs, State Horticulture Department, NHB, NABARD, etc. to share research outcomes and future strategies for the development of fruit sector in the region.

Presentations: Presentations will comprise of Invited paper, Lead paper, oral presentation and poster presentation on thematic areas.

Invited/ Lead paper: Papers on specific topics from the senior personnel, R&D institutions/SAUs, etc. will be accepted under each theme as a Lead Paper. Invited paper will be presented by the distinguished scientists. The speakers should review the national & global situation and suggest future priorities for India.

Oral presentations: Both members and non-members of SPH will be considered for oral presentation under each session based on the merit of the abstract. **Best Oral presentation Award will be given under each session.**

Poster presentations: The researchers/students/entrepreneurs/extension personnel are invited to submit abstract for poster presentation. There will be **Best poster presentation Award under each session.**

Abstract

The abstract should be prepared in MS Word not exceeding 250 words. It should belong to specific theme with short and informative title, name of authors with affiliation followed by abstract. The name of presenter should be highlighted with his/her email ID. Acceptance letter will be mailed to the presenter along with the details of presentation.

Important dates

| | |
|---|----------------------------|
| Last date of receiving abstract | : February 24, 2022 |
| Last date of sending acceptance letter | : February 28, 2022 |
| Last date of payment of registration fee | : March 5, 2022 |

Registration Fee

Details of registration fee for various categories of participants are as under:

| Category | Registration fee (Rs.) |
|----------------------------|------------------------|
| Online | |
| SPH members/State Officers | Rs. 1000/- |
| Non-SPH members | Rs. 1200/- |
| Farmers/students | Rs. 500/- |

**For Further Information and Abstract Submission
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