

Golden Jubilee Celebration of Journal Progressive Horticulture (1969-2019)



# PROGRESSIVE HORTICULTURE CONCLAVE (PHC)-2019

ON

## FUTURISTIC TECHNOLOGIES IN HORTICULTURE

December 8-10, 2019



*Organized by*

Indian Society of Horticultural Research  
& Development (ISHRD), Uttarakhand



ICAR-Central Institute of Subtropical  
Horticulture (CISH), Lucknow (UP)



ISO : 9001-2015

*Collaborators*



Venue : ICAR-Indian Institute of Sugarcane Research, R.B. Road, Lucknow, India

## Background

Horticulture plays important role in agricultural growth and development and it has tremendous potential for transformation of the nation's economy by providing food and nutritional security, employment and business development, besides providing livelihood to small and marginal farmers and ecological benefits. It has become a key driver for economic development in many of the states in the country and contributes 30.4 per cent to GDP of agriculture. The production of horticultural produce has increased seven fold, which ensured nutritional security and employment opportunities. Export growth of fresh fruits and vegetables in terms of value is 14 per cent and of processed fruits and vegetables is 16.27 per cent. Globally, India is the second highest producer of fruits and vegetables with largest producer of mango, banana, coconut, cashew, papaya, pomegranate and highest producer and exporter of spices. It ranks first in productivity of grapes, banana, cassava, peas, papaya, etc.

With fast changing tools/technologies and challenges of fast rising population, unemployment, malnutrition, contamination/toxicity of foods, shrinking land & water resources and adverse effects of climate change has put us on the crossroads to look for new strategies and formulate the sustainable plan to cope up with the challenges. Keeping the above facts in mind, a Horticulture Conclave on "Futuristic Technologies in Horticulture", is being organized during December 8-10, 2019 in Lucknow. The event will provide a platform to researchers, academicians/ scholars, entrepreneurs, farmers, development agencies, policy makers and other agencies to discuss, review and formulate the action plan for "Horticultural Revolution" in the country.

## Objectives

The Progressive Horticulture Conclave-2019 will encompass following objectives:

- ❖ To boost the economy of our country by increasing the horticulture production
- ❖ New generation tools and techniques in horticultural crops for doubling income
- ❖ Explore and utilize the diversity of under-exploited/lesser known indigenous horticultural crops
- ❖ Promotion of horticultural crops with higher nutritive and nutraceutical values
- ❖ Diversification of horticulture in non-traditional areas
- ❖ Technological interventions in crop health management
- ❖ Climate-resilient horticulture and long-term production sustainability

## Conclave Themes

The Conclave will focus on following themes:

- ❖ Future horticultural crops and production technologies
- ❖ Quality inputs and use efficiency
- ❖ Structures/models, artificial intelligence, automation/techniques for future needs
- ❖ Challenges and mitigation on climate change, abiotic stresses in Horticulture
- ❖ Bursting the barriers in horticulture and using next generation technological tools
- ❖ Doubling income through innovative technologies of postharvest, waste & supply chain management
- ❖ Horticulture for promoting health, healing, happiness, environment & horti-tourism
- ❖ Success stories in Horticulture & Horti-business
- ❖ Future needs and strategies in horticultural education, research and development, extension for promoting skill and entrepreneurship
- ❖ Farmers support system with new policies, IPR, accreditation/ certification etc.
- ❖ Horticulture for women empowerment

The Progressive Horticulture Conclave-2019 is open to all stakeholders interested in horticulture R&D and representatives from public/private sectors, central and state government ministries, scientists and students from agricultural institutes and universities, farmers, representatives from international agencies, farmers' associations, agri-input suppliers/associations (like seeds, fertilizers, plant protection chemicals, growers association, NGOs, etc.). The deliberations of the Conclave shall be in English.

## About the Society and ICAR-CISH, Lucknow

Indian Society of Horticulture Research and Development (ISHRD) was established in March 1969 as the Hill Horticulture Development Board (HHDB) at the Horticulture Experiment and Training Center (HETC,) Chaubattia, Ranikhet Almora (Now in Uttarakhand). Promotion of research in Horticulture and publication of a journal was the dream of the then Director, Dr SS Teotia. A journal 'Progressive Horticulture' was started. Luminaries like Dr JN Seth, Dr RP Srivastava, Dr PL Gautam, Dr HP Singh and Dr RK Pathak have contributed immensely towards the growth of the Society and its journal which is regularly publishing significant research in horticulture which is the second oldest journal in Horticulture in the country and widely cited by scientific fraternity. The journal has entered its Golden Jubilee year in 2019. The journal is available online on [www.indianjournals.com](http://www.indianjournals.com) and on the society's website [www.progressivehorticulture.in](http://www.progressivehorticulture.in). The journal is published biannually in June and December. General Body meeting of the society will also be held during the conclave. Date and time will be intimated later.



ICAR-CISH, Lucknow situated at Rehmankhara on Hardoi Road, Lucknow was started as Central Mango Research Station in 1972 and upgraded to the level of Institute in 1984. The Institute has been catering to the needs of farmers and fruit growers in field of subtropical horticulture for last more than 40 years. The Institute has developed several improved varieties of mango (Ambika and Arunika), guava (Lalit, Shweta, Dhawal and Lalima), bael (CISH-B1, CISH-B2) and jamun (CISH-Jamwant) besides developing technologies in crop production, protection, post-harvest management and value addition for enhancing productivity and farmers' income. Rejuvenation technology in mango developed by the Institute has made significant impact in the country. The Institute has more than 750 accessions of mango in the Field Gene Bank (FGB).

### Presentation/Awards

The Conclave will cover lead and invited lectures, oral and poster presentations in each theme area. Detailed presentation schedules/programmes and guidelines will be made available on our website [www.progressivehorticulture.in](http://www.progressivehorticulture.in).

**Lead/Invited Papers:** Lead papers on pertinent topics highlighting the central theme of each session will be invited from leading researchers & academicians. Full papers of lead/ invited speakers will be published separately. Details will be available on our website : [www.progressivehorticulture.in](http://www.progressivehorticulture.in)

**Oral and Poster Presentations:** Both members and non-members of society within India and abroad may send their abstracts which would be peer reviewed and shall be selected by the editorial committee for oral/poster presentation. Abstract(s) of only registered authors will be published in the Book of Abstracts and presented as poster papers in the three-day event. The poster should be sent in pdf format before the due dates. Arrangements will be made for E-poster presentation for which the size of poster should be 4x3 feet, font Calibri, font size - Title 48; Subtitle 44; Text 36. Best oral/poster presentation will be awarded. In addition, there will be separate award for the paper coming out of thesis work and best women researcher in horticulture.

The society awards have already been announced and selected awardees will be honoured during the conclave.

### Abstract

The abstract should be prepared in MS word not exceeding 250 words. It must contain a clear title, name and affiliation of the authors. The name of the presenting author should be underlined and E-mail should be given at the end. There should not be any sub-headings, figures, tables or references in the abstract. The abstract may be submitted through email and/or by post along with a soft copy. The detailed specifications for preparing the poster paper, would be mailed to those authors whose abstracts are accepted for poster presentation. Detailed model abstract is available on our website [www.progressivehorticulture.in](http://www.progressivehorticulture.in).

### Local Visit

There will be visit to nearby places of historical importance and monuments in the city on the last day of the conclave. Details will be uploaded on our website [www.progressivehorticulture.in](http://www.progressivehorticulture.in) shortly.

### Important Dates

|   |   |                                 |
|---|---|---------------------------------|
| Last date for receiving abstract (s)                                | : | 25 <sup>th</sup> October, 2019  |
| Last date for sending acceptance letter                             | : | 5 <sup>th</sup> November, 2019  |
| Last date for sending full length paper                             | : | 15 <sup>th</sup> November, 2019 |
| Last date for sending registration fee and Booking of accommodation | : | 15 <sup>th</sup> November, 2019 |

### Registration Fee & Payment Details

| Category  | On time (Up to 15 <sup>th</sup> November 2019) | On the spot with late fee |
|---|--|---------------------------|
| Corporate sector                                | Rs. 6,000/-                                    | Rs. 6,000/-               |
| Faculties/Scientists/Academicians (Members)     | Rs. 4,000/-                                    | Rs. 5,000/-               |
| Faculties/Scientists/Academicians (Non members) | Rs. 5,000/-                                    | Rs. 6,000/-               |
| Students/Research Fellows/Farmers               | Rs. 1,500/-                                    | Rs. 2,000/-               |

**Name of the Bank** : Punjab National Bank, Rehmankhara, Lucknow  
**Name of the Account** : Indian Society of Horticulture Research and Development  
**Account No** : 6195000100025478  
**IFSC Code** : PUNB0619500  
**MICR Code** : 226024503  
**Branch** : Rehmankhara, Lucknow

## About Lucknow

Lucknow is famous for its culture, art and tradition. Its geographical area of 3,244 sq. km with several educational and research Institutions like ICAR, CSIR, ICMR, UGC, etc. Bara Imambara, Chota Imambara, Rumi Darwaza, Clock Tower, Chattar Manzil, Residency, Shaheed Smarak are some of the important heritage sites. Lucknow is world famous for its chikankari work. Malihabad and Kakori in Lucknow are famous for its 'Dashehari' mangoes which has been given GI Tag. It is one of the most popular mango varieties and widely acclaimed for its exquisite taste and pleasant aroma. It is believed that 80 per cent of the area under mango in Malihabad and Kakori is covered with Dashehari only and it can be genetically traced back to "Mother Dashehari" plant still existing in Dashehari village of Kakori. During early December, the weather at Lucknow will be cool & pleasant. Warm clothing is required during the period.

## How to reach Lucknow

Lucknow is well connected by Air, Train and Road from all major cities of the country. Nearest airport (CCS International Airport, Amausi, Lucknow), nearest railway station [Lucknow (LKO) /Lucknow Junction (LJN)] and nearest bus stations (Alambagh, Charbagh and Quaiserbagh) are 5 to 10 km from the venue.

## Accommodation

There is limited guesthouse accommodation available with ICAR and neighboring guest houses. However, hotels are available. Tariff of some of the hotels in the city around the venue are given below and delegates may book accommodation directly in such hotels. Intimation for such booked accommodation may be given to the Chairman, Accommodation Committee, Dr. Ghanshyam Pandey (pandeyhorti@yahoo.co.in; Mobile : 09415763164) or Dr. KK Srivastava (kanchanpom@gmail.com; Mob. 08840054702).

| Name of the Hotel   | Tariff (INR) per day (excluding tax)   |
|---|--|
| JB Skyhilton Inn<br>Sector B, Bargawan, LDA Colony, Kanpur Road,<br>Lucknow- 226012                           | Standard Room - Rs 3,500; Elite Room - Rs 3,800<br>Contact No. 7235999777, 7235999444;<br>Email:info.pinnacle@1589hotels.com, gm.pinnaclelko@1589hotels.com  |
| Hotel Parag Inn<br>Parag Tiraha, LDA Colony, Kanpur Road,<br>Lucknow, India 226012                            | Standard room-Rs 2500/-; Contact Person: Sailendra Kumar Tiwari<br>Phone:0522-2438451, 7318124140, 8800483848, 9005476705<br>Website:www.hotelparaginn.com   |
| Pinnacle By 1589<br>Near Power House Chauraha, Sector D1, LDA<br>Colony, Lucknow, Uttar Pradesh 226012        | Deluxe room- Rs 3500/day (Single occupancy)<br>Rs 4000/- per day (Double occupancy)<br>Phone: 072359 99777; Tel. +4420 3027 6614   |
| Hotel Acumen Inn<br>Sector-B, Kanpur Road, Yojna, Near Phoenix Mall,<br>Lucknow-226012                        | Deluxe room - Rs 2500/-; Premier - Rs. 2000/-; Contact Person: Dheeraj<br>Diwan, Mobile 7234040404, Phone: 0522-4047001; Email:<br>salesacumeninn@gmail.com  |
| The Piccadilly, Kanpur Raod, Lucknow-226005   | Standard room Rs. 4000/- (Single occupancy); Rs. 4500/- (Double<br>occupancy); Contact person: Abhijit Raja Raizada; Mobile: 9235356028;<br>Phone: 0522-4096000, 4036000; Email: sales3@piccadillylucknow.co.in;<br>Website: www.piccadillylucknow.co.in |
| Hotel Gomti<br>6, Sapru Marg, Near Hazratganj,<br>Lucknow226001, U.P. India (Govt. Hotel of State<br>Tourism) | AC deluxe - Rs. 3000/-; AC executive - Rs. 2500/-; AC ordinary- Rs. 2000/-;<br>Air cooled - Rs. 900/- (All double occupancy); Contact Person - Mr. Ajeet<br>Kumar Srivastava; Mob: +91-9415233498, +91-522-2611463; Email:<br>hotelgomti@up.tourism.com  |

## Sponsorships

The organizers seek support from different stakeholders, especially the government and non governmental organizations to make this conclave a grand success. The sponsorships in following categories will be welcomed.

**Summit Co-Sponsor (2.0 lakh)** : Organization/Company's logo on backdrops and publications, 2 complementary delegates.

**Delegate kit sponsor (1.0 lakh)** : Organization/Company's logo on backdrops, delegate bags and publications, 2 complementary delegates.

**Lunch/dinner sponsor (1.5 lakh)** : Organization/Company's logo on backdrops and publications and 2 complementary delegates; Banner during the event

**Single Hi Tea (1.0 lakh)** : Banner during the event

## Publications and rates of advertisements

During the Conclave, a souvenir and e-book of abstracts will be published. These will be circulated nationally in the libraries and referred by large number of scientists, academicians, researchers and students. Advertisements are invited for publication in the Souvenir and e-book of abstracts. The rates of the advertisements in the publication are - Back cover (Coloured): 30,000/-; Inside back cover (Coloured): 25,000/-; Full page (Coloured): 20,000/-; Half page (Coloured): 15,000/-.



### **National Advisory Committee**

Dr T Mohapatra, Secretary (DARE) & DG (ICAR)  
Dr AK Singh, DDG (Hort. Sci.), ICAR, New Delhi  
Dr AK Singh, DG (Life Sciences), DRDO, New Delhi  
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Dr PK Gupta, Director, NHRDF, New Delhi  
Dr RP Srivastava, Ex-Director, Hort., UP

### **National Organizing Committee**

#### **Chairman:**

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#### **Co-Chairmen:**

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Dr S Rajan, Director-ICAR-CISH, Lucknow  
Dr AD Pathak, Director-ICAR-IISR, Lucknow

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Dr Prabhat Kumar, NC, ICAR, New Delhi  
Dr Vikramaditya Pandey, PS, ICAR, New Delhi  
Dr Ratan Kumar, Addl Dir., Directorate of Horticulture, Govt of Uttarakhand  
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Prof. Mayank Rai, SVPUAT, Meerut  
Dr Ashish Yadav, ICAR-NOFRI, Sikkim  
Sri Anil Kumar, NHB, Lucknow  
Prof. Satya Vrat Dwivedi, Dean, College of Horticulture, BUAT, Banda

### **Local Organizing Committee**

#### **Organizing Secretary (PHC-2019)**

##### **Dr R A Ram**

ICAR-CISH, Rehmanikhera,  
PO Kakori, Lucknow-226 101  
Email:proghortconclave@gmail.com

#### **Co-Organizing Secretaries (PHC-2019):**

##### **Dr Sushil Kumar Shukla**

ICAR-CISH, Rehmanikhera, Lucknow  
Contact No. 7054419717  
Email: proghortconclave@gmail.com

##### **Dr A K Trivedi**

ICAR-CISH, Rehmanikhera, Lucknow  
Contact No. 9532469500  
Email: proghortconclave@gmail.com

#### **Members:**

Dr A K Misra, Ex-PC, AICRP (Subtropical fruits)  
Dr Sudhir K Shukla, ICAR-IISR, Lucknow  
Dr Sanjeev Kumar, UPCAR, Lucknow  
Dr Deepa H Dwivedi, BBAU, Lucknow  
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Dr Maneesh Mishra, ICAR-CISH, Lucknow  
Dr K K Srivastava, ICAR-CISH, Lucknow  
Dr Dipak Nayak, RRS, Malda, ICAR-CISH, Lucknow

#### **Programme Coordinators:**

Dr Sanjai K Dwivedi, DRDO, Tejpur (Assam)  
Dr SS Singh, KVK Almora (UK)  
E-mail:proghortconclave@gmail.com

**Note: For details please visit our website: [www.progressivehorticulture.in](http://www.progressivehorticulture.in)**

# PROGRESSIVE HORTICULTURE CONCLAVE (PHC-2019)

on

## FUTURISTIC TECHNOLOGIES IN HORTICULTURE

(8-10 December, 2019)

### REGISTRATION FORM

(Xerox copy of this form may be used)

I am interesting in participating the Progressive Horticulture Conclave-2019 as a Delegate/ Sponsors

Name (Capital Letters) : .....

Designation : .....

Organization : .....

Address for communication (with E-mail and Mobile No.) : .....

Title of the Paper : .....

Details of Theme and preferred mode of presentation (Oral or Poster) : .....

Rs..... Mode of payment: Cash/Demand Draft/NEFT/RTGS/.....

DD/ReferenceNo.:..... Date: .....

Bank details for NEFT/Online Transfer:

Name of the Bank: Punjab National Bank, Rehmankhera, Lucknow

Name of the Account: Indian Society of Horticulture Research and Development

Account no: 6195000100025478

IFSC Code: PUNB0619500

MICR Code: 226024503

Branch: Rehmankhera, Lucknow

Accommodation required : Yes / No (Govt Guest House /Hotel) Please tick ( ✓ ) if yes.

Accompanying persons, if any: .....

Travel Plan : (Please provided full details like place, date, time mode with train/ flight no.etc.)

Arrival Plan.....

Departure Plan .....

Date : ..... Place : .....Signature of the Participant

(Kindly send duly filled in Registration Form along with Registration Fee to Dr RA Ram, Organizing Secretary, PHC-2019, ICAR-CISH, Rehmankhera, PO-Kakori, Lucknow-226101 by post and also by email: [proghortconclave@gmail.com](mailto:proghortconclave@gmail.com))

**Venue: ICAR-Indian Institute of Sugarcane Research, Lucknow, India**