



Indian HortiCulture Congress - 2021



INTERNATIONAL YEAR OF
FRUITS AND VEGETABLES
2021

Horticulture for Health, Livelihoods and Economy

November 18-21, 2021

Venue:

**Chandra Shekhar Azad University of Agriculture
and Technology
Kanpur, Uttar Pradesh**

Organized by



**Indian Academy of Horticultural Sciences (IAHS)
New Delhi**

Co-organizer



**Chandra Shekhar Azad University of Agriculture and Technology
Kanpur, Uttar Pradesh**

Sponsors



राष्ट्रीय बागवानी बोर्ड
National Horticulture Board





Background

Indian Academy of Horticultural Sciences (Formerly the Horticultural Society of India) has been organizing Indian Horticulture Congress once in two years. The present congress scheduled to be organized in 2020 could not be organized due to severity of COVID-19. Instead it was decided to hold the Congress in 2021. The incidence of COVID-19 continues to be severe in 2021 also. Keeping above points in view, it has been decided to organize the congress in hybrid mode (Offline and Online both). Food and Agricultural Organization (FAO) has declared the year 2021 as **International Year of Fruits and Vegetables**, in order to increase awareness on the importance of fruits and vegetables in human nutrition, food security, health as well in achieving UN Sustainable Development Goals. Horticulture has been given a major focus by Govt. of India for future crop diversification, improving livelihood by doubling farmers' income, creating economic opportunities through export, besides skill development and job creation. While good beginning has been made, much is to be achieved in different areas in Horticulture Sector *per se* by adopting multi-pronged strategies to overcome them. The present congress will discuss the issues such as horticulture for health and nutrition, unexploited indigenous and exotic crops, potential of crops for round the year production, varieties for export and processing, meeting emerging challenges of biotic and abiotic stresses, emerging needs of quality seed and planting material, reducing cost of production and improving livelihood security, skilling and man power development, exploitation of alternate production systems for profitability, post-harvest management and value-addition, new initiatives in produce management and improving exports, *etc.* It is also proposed to devote a full session to celebrate International Year of Fruits and Vegetables with the support of the FAO Regional Office. The congress aims to identify such issues, set priorities, keeping health, livelihoods and economy in perspective. Based on the above facts twelve major theme areas have been identified which require detailed deliberations.

Earlier Congresses

Indian Academy of Horticultural Sciences (IAHS) has been organizing biennially Indian Horticulture Congresses in different states of the country to review R&D initiatives taken in the country to sensitize various stakeholders of the latest technologies and opportunities for the future. These congresses have been very well attended. So far, eight congresses on different topical issues have been successfully organized:

- First Congress on **Improving Production, Productivity, Quality and Trade of Horticulture Crops** held at New Delhi in 2004.
- Second Congress on **Opportunities and Linkages for Horticulture Research and Development (Focus: North Eastern Region)** held at Barapani, Meghalaya in 2007.

- Third Congress on **New R & D Initiatives in Horticulture for Accelerated Growth and Prosperity** held at Bhubaneswar, Odisha in 2008.
- Fourth Congress on **Horticulture to Horti- Business** held at New Delhi in 2010.
- Fifth Congress on **Horticulture for Food & Environment Security** held at Ludhiana, Punjab in 2012.
- Sixth Congress on **Horticulture for Inclusive Growth** held at Coimbatore, Tamil Nadu in 2014.
- Seventh Congress on **Horticulture for Doubling Farmers Income** held at New Delhi in 2016.
- Eighth Congress on **Shaping Future of Horticulture** held at Raipur, Chhattisgarh in 2019.

The **9th Indian Horticulture Congress-2021** is being held at Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, Uttar Pradesh from **November 18-21, 2021** with the following Objectives:

Objectives


To celebrate the International Year of Fruits and Vegetables declared by Food and Agriculture Organization, the congress will take stock of the achievements made in different horticultural crops and to identify opportunities for tapping potential of these crops for nutrition, health, food security, value-addition, safe production technologies, livelihoods and improving economy.

Themes/ Topics

The following themes have been provisionally identified for the **9th Indian Horticulture Congress-2021**:

- **Thematic Session on International Year of Fruits and Vegetables with focus on Nutrition and Health:** Horticulture in meeting food and nutritional requirement, combating malnutrition, phytochemicals, nutraceuticals, pharmaceuticals and therapeutics, organic/natural colour, cosmetics, aroma, essential oils, oleoresins, edible oils from horticultural, crops *etc.*
- **Unexploited/ Underexploited Crops:** Kiwi fruit; passion fruit, *jamun*, *bael*, mangosteen, opuntia pear, dragon fruit, rambutan, seabuckthorn, temperate berries, Un/under exploited vegetables, flowers and other horticultural crops.
- **Crops for Round the Year Production:** Opportunities and technological advances made in specific horticultural crops, *e.g.* radish, onion, cole crops, tomato, cucumber, high value flowers, herbs & greens *etc.*
- **Genetic enhancement and next generation breeding strategies:** Priorities in crop improvement in fruit & plantation crops, vegetables; flowers; spices; medicinal and





aromatic plants, breeding priorities and systems, exploitation of wild relatives, applications of Omic science, gene editing, biofortification, development of rootstocks, breeding for biotic and abiotic stresses *etc.*

- **Wasteland utilisation through Horticulture:** Types of wastelands and degraded areas, suitable crops and technologies, watershed management, *in-situ* plant establishment and management, technologies of using wasteland and other environmental issues mitigating ecosystem services.
- **Improving Livelihoods through Technological interventions/ Production technologies:** Improving productivity, water and nutrient saving technologies; mechanization and automation; high density planting (HDP); inter-culture cropping system; conservation horticulture; organic farming, natural farming, managing climatic hazards, managing insects, diseases, disorders and complex problems, new nano-molecules, pesticides adulteration and banned pesticides, pollinators, pollinizers and biological control.
- **Exploiting Alternate Production Systems for Profitability:** Scope of development and constraints in promoting alternative production system including organic farming, designs of protected structure, developments in use of LEDs, green climate management, tunnels, shade nets, hydroponics aeroponics, identification and development of varieties, crop rotation for greenhouse. Smart horticulture, Precision horticulture, use of drones and sensors, vertical farming, use of new and renewable energies, urban/peri-urban/metro horticulture.
- **Post-harvest Management and Value Addition:** Setting priorities & targets for development of cold storages and cold chain; smart and innovative packaging, mechanisation in post-harvest operations, advancements in value-addition, dehydrated and fermented products, ready-to-eat products, varieties for processing, utilization of horticultural waste *etc.*
- **New Initiatives in Produce Management:** Value chain development, Startups, FPOs, Horti-entrepreneurships, food parks, Crop Insurance, One district One crop, other innovative approaches and marketing initiatives.
- **Quality Management and Exports:** Issues, opportunities and constraints in exports including pesticide/ heavy metal residues, safe chemical and pesticides, certification mechanised and automated harvesting and safe ripening, GAP, use of national and international standards avoiding malpractices to ensure quality of horticultural produce, export potential and emerging new national/ international food markets.
- **Elocution contest on the topic "Promoting Fruits and Vegetables in Human Health and Nutrition":** This session will be for Post Graduate students and Young scientists (upto the age of 35 years).
- **Farmers-Scientist Interface:** The session will discuss the major technological gaps, problems of Horticulture by the progressive farmers from SAUs/CAUs/DUs/Agri-horti developing agencies/Entrepreneurs/Extension workers, FPOs, NGOs *etc.*



Participants

The congress is open to all those interested in horticulture R&D and related sectors, e.g. representatives from both public and private sectors, central and state government ministries, scientists, development workers and students from agricultural institutes and universities, state horticulture/agri-departments, representatives from international agencies, progressive farmers, farmers' associations, agri-input associations (like Seeds, Fertilizers, Plant protection chemicals, Nurserymen, Processing sector, Commodity specific export houses *etc.*), NGOs, entrepreneurs *etc.* The deliberation of the Congress shall be in English.



Presentations

The Congress will cover Plenary & Memorial Lectures (invited only), Lead, Invited/ Oral and Poster presentations.

Lead Papers: Lead papers on specific topics related to each session will be accepted from the senior personnel, R&D institutions/ SAUs *etc.* and on the basis of suggestions received. The extended abstracts (about 2 pages) of these papers are required to be submitted within three weeks of request, while the full-length papers will be required to be submitted latest by 25th October, 2021 for publication of Proceedings and its release during the Inaugural Session. The speakers in this session are required to review the national & global situation and suggest future priorities for India.

Invited/ Oral Presentations: Both members and non-members of IAHS within India and abroad shall be considered for oral presentation subject to the relevance of the title and contents of the subject of presentations. Minimum three years of work experience is required for the presenters. A standard Technical session is planned for 2 hours; each oral presentation is of 7-8 minutes. The congress will try to accommodate most requests for oral presentations, but number of parallel oral sessions will be limited. The oral presentations will be possible either in real time or pre-recorded.

Poster Papers: The researchers/ students/ extension personnel/ development workers/ Progressive farmers/ entrepreneurs, SHGs/ FPOs/ Start-Up representatives are invited to submit abstracts (max two as senior registered author) relating to broad theme areas of the congress, which would be peer reviewed and presented as poster papers (virtual) during the four day event. Abstract(s) of only registered delegates will be published, while soft copy of poster needs to be submitted to secretariat for display and judging by the Committee.

The abstract(s) should be prepared in MS word not exceeding 250 words. It must contain a clear Theme/ Sub-theme, title, name and affiliation of the authors followed by abstract. 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(s) may be submitted online only. The detailed specifications for preparing the poster paper





(size 4½' Length × 3' width), would be mailed to those authors whose abstracts are accepted for presentation. The abstract(s) can be submitted online at <http://www.iahs.org.in> or <http://ihc.bigmind.in/index.html>.

The selected posters should be prepared as per the Template and must be recorded so that the same will be projected followed by online discussion and judging by the Committee in the concerned Session. Poster session is planned for a 1 min. difference from the presenter of the poster.

NB: All posters will be presented using Online mode, whereas Invited and Oral papers selected for presentation will preferably be presented in offline mode and will be available online mode during different concurrent sessions as per schedule. A poster paper not defended by a participant during a session will not be judged.

Elocution contest on "Promoting Fruits and Vegetables in Human Health and Nutrition": This session will be for Post Graduate students and Young scientists (upto 35 years). The winners in both categories will be awarded with cash prize and certificate.

Sponsorships / Advertisements

Indian Horticulture Congress requests sponsorships/ advertisement from different organisations for achieving its objectives. The details of sponsorship category for congress and tariff for advertisement in Souvenir are given on www.iahs.org.in

How to Reach Venue

Kanpur is situated on Howrah-Delhi route of the Northern Railway. The CSAUA&T campus is located at 8.4 km North-west of Kanpur Central railway/ Bus Station. The nearest airport is Kanpur (16 km) Airport. The distance from Lucknow Airport is about 68 km.



Important Dates

Last date for receiving Abstract(s) : September 30, 2021
 Last date for sending Acceptance Letter : October 15, 2021
 Last date for sending Full length Paper : October 25, 2021
 Last date for sending Registration fee : October 25, 2021

Registration Fees

Details of Registration Fee for various categories of participants are as under:

Offline Participation	Indian Rupees
Non-members of IAHS/ Corporate Sector	8,000/-
IAHS members/ State Hort. Staff	7,000/-
Farmers/ Students	2,000/-
Online Participation	
R&D workers in Govt./ Private organisations	2,000/-
Students and Research Fellows	1,000/-
Foreign Delegates	US\$ 40/-

Please visit <http://iahs.org.in> and register yourself to participate in the IHC 2021.

Accommodation

There is limited decent accommodation is available in the CSAUA&T Guesthouses and neighbouring guesthouses. However, there are a number of hotels available nearby on economical rates for which special rates for stay is being negotiated. For enquiries, tariffs and other details, kindly visit www.iahs.org.in.

City and Field Visits

During the last few years, lot of development have been taken place in horticulture crop production. A field/city trip of Kanpur shall be arranged on November 22, 2021 for those interested. Delegates may kindly keep this in mind while booking their travel. Reservation form for the field trip will be available at the Registration Desk.





Indian Horticulture Congress - 2021

18-21 November 2021, Kanpur, Uttar Pradesh



I am interested in participating in the "9th Indian Horticulture Congress - 2021" as Delegate/Sponsor;

Name (Capital letters) :

Profession : Designation :

Organization :

Mailing Address :

City :

State : Pin Code :

Telephone: Mob. : Office : Res. :

E-mail :;

Accompanying Person/Spouse* : No. Name :

*An additional amount of ₹ 3,000 per head should be sent for the accompanying person(s).

Participant Details

For Delegates

Title of Lead/ Oral Paper/ Poster Presentation : (I).....

(ii).....

Payment Details*

Multi-city Cheque/ Draft No. : Date :

Name of Bank : Branch : City :

Amount (₹/\$/€) :

NEFT/Online Transfer :	A/c No. :	IFSC Code	Place
Canara Bank :	1100 11188592	CNRB0019153	New Delhi

*Send the copy of proof regarding online transfer of money. Payment should be made in favour of **Indian Academy of Horticultural Sciences** payable at **New Delhi**.

Date : _____

Place : _____

Signature _____

*Registration Form is also available on the Congress website www.iahs.org.in
Kindly e-mail duly filled in Registration Form alongwith Registration fee/online fee
paid details to Congress Secretariat.*



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9th Indian Horticulture Congress-2021

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