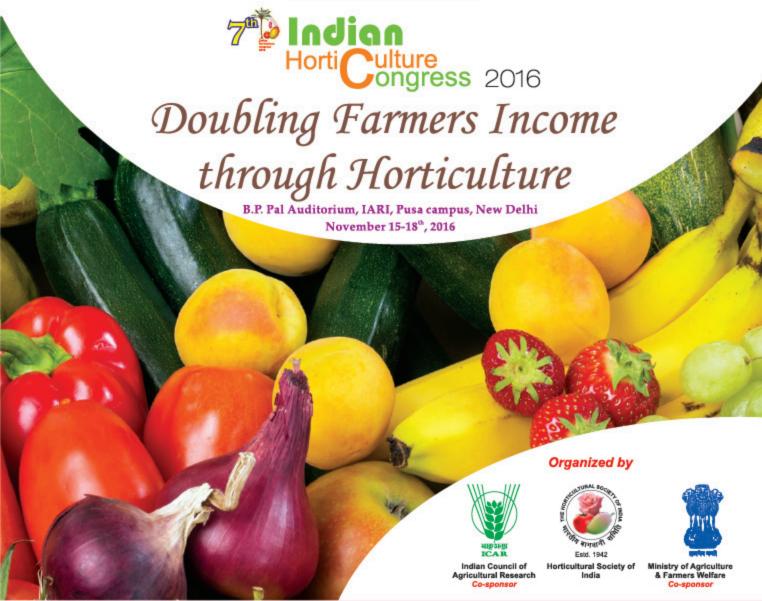


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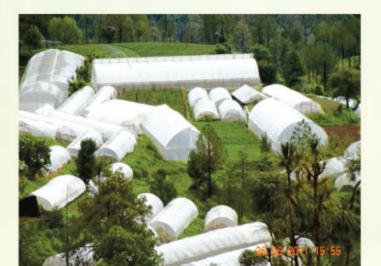
Introduction

The R&D efforts made in the last three decades in the country have impacted Horticulture in many ways. As a result, the importance of Horticulture is being realized at all levels, be it a small or a large farmer, the corporate sector or the policy maker. There is now a large R&D network in the country with several institutions and a number of flagship development programmes launched by Govt. of India. Horticulture has, thus, come out of village confines to the urban areas & corporate sector as an organized enterprise.

Horticulture crop production surpassed food crop production in India for the first time during 2013-14. The trend continued during 2014-15 with a total production of 283.5 MT. There has been highest annual growth of 9.5% in fruit production during 2013-14 and 7% in vegetable production between 1991-92 to 2014-15. Cut flower production has also increased significantly. A virtual revolution has taken place in potato production too.

Indian Horticulture produce and products have been gradually penetrating in the International markets with significant increase in export of different commodities. Export of horticultural produce has risen 536% in quantity and 2008% in value between 1991-92 to 2012-13. The share of horticulture output in agriculture GDP is now more than 33 per cent. The impact of the above initiatives has become quite visible and their role in development of this sector has been recognized in our country. As a consequence, the Hon'ble Minister of Finance, Govt. of India, during his speech on unraveling Economic Survey 2015-16 in the Parliament made a special mention about the achievements made in this sector in the country.

Despite ample increase in production of horticultural crops, the low productivity and profitability in several crops is still a challenge and a matter of concern. Frequent climate changes and erratic weather pattern have also been



compounding the risks of farmers. The Hon'ble Prime Minister has flagged several initiatives with the objective of doubling farmers' income by 2022. He has emphasized on 'per drop more crop' and use of soil health cards for better water & nutrient management. A new crop insurance scheme has also been launched recently to reduce risk of farmers. There has also been a concern on the youth leaving the family farming business and moving to the cities. Besides, several states have declared themselves as completely Organic.

Taking the above concerns and other important issues into consideration, specific sessions have been planned during the Congress. These relate to Policy Initiatives; Improving Availability and Quality of Planting Materials and Seeds; Hitech Horticulture Intervention; Reducing Cost of Production; Promoting Innovative Production Systems; Bio-technological Interventions; Managing Emerging Pests and Disorders; Managing Climate Risks; Reducing Post Harvest Losses; Adding Value to Produce; Reducing Drudgery through Mechanization; Ensuring Higher Price of Farm Produce and Product; Production of Safe Foods; Developing Horticulture in North East India. A special session has been proposed to address Employment Opportunities for Youth in Horticulture. Keeping in view the focus on organic horticulture by several states and the need for technological development, an separate session is proposed on this aspect.

The Horticultural Society of India has been organizing such Congresses in different states of the country to sensitize various stake-holders on the latest technologies and opportunities. These congresses are very well attended and have been found very useful by the participants. The details of six earlier congresses organized by the Society are as given below:

- 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

In addition, a National Conference on Temperate Fruits & Nuts was also held at Srinagar, Jammu & Kashmir in 2015.

Themes/Topics

The following sessions & themes have been provisionally identified for 7th Indian Horticulture Congress-2016:

- I. Policy Initiatives for Doubling Farmers' Income
- II. Improving Availability and Quality of Planting Materials and Seeds: Plug plant production, Grafting in annual horticultural crops; Diagnostics for disease-free planting material; Micro-propagation, Quarantine issues
- III. Hi-tech Horticulture Interventions: F₁ hybrids; Controlling Plant architecture/ Canopy Management; High Density Planting; Rejuvenation; Pollination; Flower regulation
- IV. Reducing Cost of Production: Soil health management; Enhancing nutrient use efficiency; Micronutrient management; Per drop more crop; Fertigation
- V. Promoting Innovative Production Systems: Protected Horticulture; Urban & Peri-urban Horticulture; Hydroponics; Aeroponics; Vertical farming



- VI. Technology-led Organic Horticulture: Safe food production; Organic inputs; Production and availability of Bio-fertilisers, Bio-pesticides & biologicals; Green manuring; Vermi- and bio-compost
- VII. Bio-technological Interventions: Genomics; Proteomics, Phenomics and Metablomics in Horticultural crops; Nanotechnology; Molecular Breeding; Development of Transgenics; Gene editing
- VIII. Managing Emerging Pests and Disorders: Pest management in field and greenhouses; Forecasting Pests; Emerging risk of invasive pests; Physiological Disorders of national importance
- IX. Managing Climate Risks: Climate Impact, Adaptation, management and Mitigation; Development of Climate smart genotypes; Carbon sequestration (green energy); Success stories
- X. Reducing Post Harvest Losses: Dehydration of Horticulture Crops; Storage innovations including MAstorage and cold chain; Ready-to-use consumer packaging; Cold chain and retail management

- XI. Adding Value to Produce: Overcoming malnutrition (Through nutrients-starch, fat, vitamins, pectins and lycopene); Functional foods; Bio-fortification; Neutraceuticals for Health; Colour & Dyes from Horticultural plants; Oleoresins from spices; Essential oils from aromatic crops; Waste utilization
- XII. Reducing Drudgery through Mechanization: Precision Horticulture, Mechanised harvesting, Grading & Packaging; Primary processing; Automation; Drones; Sensors; Robotics and Energy efficient technologies; PHM Infrastructure
- XIII. Ensuring Higher Price of Farm Produce and Products: Self Help Groups (SHGs); Farmer Producer Companies (FPC); Agriculture Products Marketing Company (APMC); Role of Co-operatives; Contract farming; Price stabilization; Market Intelligence; Imports and Exports; Minimum support price; E-portals and Online Auction (E-NAM)
- XIV. Production of Safe Foods: Food Safety Standards; GAP (EUREPGAP), CODEX, AGMARK, FSSAI standards; Organic standards etc.
- XV. Creating Employment Opportunities for Youth: Fruit Nursery production; Seed production of annual crops; Mushroom production; Apiary and honey production; Production of bioagents; ICT; Horti-tourism & other start-ups in Horticulture; Custom hiring of

horticulture equipment; Land leasing/ renting/ contract farming/ small holding

XVI. Developing Horticulture in North East India: Biodiversity; Potential crops; Cropping/Farming systems; Processing sector; Linking of Markets; Crop Insurance; State Govt. Initiatives and Success stories.



Participants

The Congress is open to all interested in Horticulture R&D and related sectors, namely representatives from both public and private sectors, central and state government ministries, scientists and students from agricultural institutes and universities, farmers, representatives from international agencies and countries, farmers' associations, agri-input associations (like Seeds, Fertilizers, Plant Protection chemicals, Grower's association, etc.), NGOs, etc. The deliberation of the Congress shall be in English.

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Dr T. Janakiram, ADG (Hort.), ICAR, New Delhi

Universities

Dr. B.S. Dhillon, Vice-Chancellor, PAU, Ludhiana

Dr Ravinder Kaur, Director & Vice-Chancellor, ICAR-IARI, New Delhi

Dr D.L. Maheswar, Vice-Chancellor, UHS, Bagalkot

Prof. Methew Prasad, Vice-Chancellor, VCSG-Uttarakhand Univ. of Hort.

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Dr P. Chowdappa, Director, ICAR-CPCRI, Kasaragod

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Dr. R.K. Mathur, Director, ICAR-IIOPR, Pedavegi

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Dr R.K. Pal, Director, ICAR-NRC on Pomegranate, Solapur

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Dr S.D. Sawant, Director, ICAR-NRC for Grapes, Pune

Dr V.P. Sharma, Directorate of Mushroom Research, Solan

Dr T.R. Sharma, Project Director, NRCPB, Pusa, New Delhi

Dr Bijender Singh, Director, ICAR-IIVR, Varanasi

Dr D.R. Singh, Director, NRC for Orchids, Gangtok

Other National Organizations

Dr Brahma Singh, Former Director, Life Sciences, DRDO, New Delhi

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Sh. M.J. Khan, Chairman, ICFA, New Delhi

International Organizations

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Dr. A.K. Sikka, Representative, IWMI-India, New Delhi

Dr Julian Parr, Regional Operations Leader, International Potato Centre, New Delhi

Mr. Wouter Verhey, Counselor for Agriculture in India, Netherlands

Mr. Uri Rubinstein, Agriculture Counselor, Israel

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Sh. Uday Singh, CMD, Namdhari Seeds, Bengaluru

Sh. Sandeep Sudan, Chairman, Saveer Biotech Ltd., Noida

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Tel.: +91-11-25842127

Website: http://www.hsi1942.in; E-mail: hsiihc16@gmail.com

Paper Presentation

The Congress will cover Lead, Oral and Poster Presentations.

Lead Papers: Lead papers on specific topics related to each session will be invited from eminent scientists by the Programme Committee on the basis of suggestions received. The extended abstracts (about 2 pages double spaced) of these papers are required to be submitted within a fortnight of request, while the full-length papers will be required to be submitted latest by **15th September**, **2016** for publication of proceedings and its release during the inaugural session.

Oral Presentations: Both members and non-members of HSI within India and abroad shall be considered for oral presentation on subjects related to topics indicated in the circular, keeping in view their experience.

Poster Papers: The researchers/ students are invited to submit abstracts (maximum two as first registered author) relating to broad theme areas of the Congress, which would be peer reviewed and presented as poster papers in the four day event. Abstract(s) of only registered authors will be published.

The abstract should be prepared in MS word not exceeding 250 words. It should contain a clear title, name and affiliation of the authors. The name of the presenting author should be underlined and E-mail & Mobile No. 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 (size $4^{1/2}$, x 3'), would be mailed to those authors whose abstracts are accepted for presentation.

The poster presentation will be considered under different theme areas as per the following schedule:

Important Dates

Last date for receiving Abstract(s): August 15, 2016 Last date for sending Acceptance: September 15, 2016

letter

Last date for sending Registration: October 10, 2016

fee (without late fee)

Registration Fee

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

Category	On time (₹)	With late fee (₹)
Corporate	20,000/-	20,000/-
Non members of HSI	10,000/-	10,500/-
HSI members	7,500/-	8,000/-
Farmers	5,000/-	5,000/-
Student/RA/SRF/Spouse	3,000/-	3,000/-
Foreign delegates		
SAARC countries	US\$250	US\$250
Other countries	US\$400	US\$400

Sponsorship Fee

Type of Sponsorship	Amount	Benefits
Technical Session Sponsor	5.0 lakhs and above	 Presentation by Company Representative Organization/company's logo displayed during the session. Distribution of promotional material if any. Two full page company profile in souvenir Four complementary registrations.
Delegate Kit Sponsor	3.0 lakhs	 Organization/company's logo on Delegate bag Distribution of promotional material if any. Two full page company profile in souvenir Three complementary registrations.
Lunch and Dinner Sponsor	2.0 lakhs	 Banner during the event. Distribution of promotional material if any. Half page company profile in souvenir Two complementary registrations.
High Tea Sponsor	1.0 lakhs	 Banner during the event. Distribution of promotional material if any. Quarter page company profile in souvenir One complementary registrations.
Tea/coffee Sponsor	0.5 lakhs	 Distribution of promotional material if any. One complementary registrations.



Indian Horticulture Congress - 2016



15-18 November, 2016, New Delhi, India

Registration Form

		culture Congress - 2016" as Delegate/Sponsor	
		ignation :	
Organization:			
Mailing Address :			
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Telephone: Mob.:	Office :	Res. :	
E-mail :			
Accompanying person/Spot	use*: NoNam	e:	
An additional amount of ₹3,0	00 per head should be sent for a	ccompanying person(s).	
Requirement Details			
For Delegates			
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Multi city Cheque/Draft No.			
Name of Bank :		Branch :	
Amount (₹/\$/€) :			
NEFT/Online Transfer:	A/c No.:	IFSC Code	
Sydicate Bank :	91532010020366	SYNB0009153	
Send the copy of proof reg Horticulture Congress-201		ney. Payment should be made in favour of 7th Ind i	ian

Date: Signature Place:

Registration Form is also available on the Congress website www.hsi1942.in Kindly send duly filled in Registration Form alongwith Registration fee to :-

Secretariat

7th Indian Horticulture Congress-2016
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