



Progressive Horticulture Conclave (PHC 2023)

**TRANSFORMING HORTICULTURAL
SCIENCE INTO TECHNOLOGY**

February 3-5, 2023

ORGANISED BY

**G.B. Pant University of Agriculture & Technology,
Pantnagar, Uttarakhand**

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



Globally, Horticulture, which includes, fruits, vegetables, spices, tubers, ornamental plants, mushroom medicinal and aromatic plants, edible bamboos and plantation crops, has become inevitable for the socio-economic development of the nation to ensure nutritional security, economic upliftment, environmental amelioration, employment generation, health-care and above all effective and productive land uses. The declining land and water resources, besides, the threat of climate change are the major bottlenecks in meeting out the bulging and diversified demand of horticultural produce. The unprecedented growth through innovative technological interventions and support of the government have led to the spectacular expansion of the industry.

New innovations are key to horticulture's success to feed the projected 9 billion population of the world by 2030. In order to optimize the use of resources, hi-tech interventions like precision farming, AI, and blockchain management which comprises temporal and spatial management of resources in horticulture, are indispensable. Infusion of technology for efficient utilization of resources is intended for deriving higher crop productivity per unit of inputs. This would be possible only through the deployment of modern hi-tech applications and precision farming methods. For improvement in crop production and returns to farmers, these technologies have to be widely spread and adopted. Considering the above-mentioned challenges of horticulturists and their expected role in ensuring food and nutritional security to mankind by turning the Horticultural Sciences into Useful technologies, a national conference Progressive Horticulture Conclave (PHC)- 2023 is being jointly organized by the G. B. Pant University of Agriculture and Technology, Pantnagar and Indian Society of Horticultural Research and Development, Uttarakhnad on February 3-5, 2023. The deliberations during this event will generate enormous interest amongst horticultural fraternity and result in many useful recommendations for consideration of different implementing agencies.

The Organizing committee deems it an honour in inviting all its stakeholders associated with horticulture and allied sectors and representatives from the public/ private sector, central and state government departments, scientists and students from institutes and universities, entrepreneurs/ farmers, banks and financial institutions, representatives from media, international agencies, farmers' associations, agri-input suppliers, etc. The official language of the conclave will be English and Hindi.

Theme:

Transforming Horticultural Scienceto Technology

The Conclave Events

Presentations: The PHC 2023 will provide an opportunity for

lead and invited lectures, oral and poster presentations in each of the thematic areas based on the selection of the abstracts by the competent committee. Detailed presentation schedule and guidelines will be made available on the society's website: www.progressivehorticulture.in

Lead/Invited Papers: Lead papers on topics pertinent to the theme of the technical sessions will be invited from leading researchers/academicians/authorities. Full-length lead/ invited papers will be published in the conference compendium. Details will be available on the society's website: www.progressivehorticulture.in

Oral and Poster Presentations: The abstracts received by the deadline date will be peer-reviewed and screened by the competent committee for mode of presentation. Abstracts of only registered participants will be published in the book of abstracts and presented in oral/ poster form in the three-day event. Detailed guidelines for oral/poster presentation will be made available on the society's website: www.progressivehorticulture.in

Exhibition: The PHC 2023 will host a Horti-exhibition demonstrating new and future technologies, products, and publications. It will be open to all Government and private sector organizations. Interested companies and institutions may contact the local organizing committee.

Awards: The society has announced recommendations for Fellowship and Awards namely, Life Time Achievement Award, Horticulture Leadership Award, Best Teacher Award and ISHRD Fellowships to be conferred during inaugural/valedictory functions of PHC 2023. Besides these, the best oral and poster presentations in each session will be judged and awarded. Also, the Best Women Researcher and Best Thesis Research Awards will also be conferred during the conclave.

Call for Abstracts: The abstracts should be submitted in the following defined thematic areas. The 250 words abstract should be in MS word, Times New Roman, 12 font size containing a short title, name and affiliation of the author(s), introduction of problem, methodology followed and experimental results with conclusion. The e-mail address of the corresponding author must be mentioned. Top right side of the abstract should mention the name of the technical session opted. The guidelines for oral/ poster presentation will be made available on the society's website (www.progressivehorticulture.in).

Technical Sessions:

| Technical Session | Thematic Area |
|-------------------|--|
| I | Crop Improvement and Genetic Enrichment |
| II | Seed, Planting Material & Nursery Management |
| III | Innovative Production Technology |
| IV | Organic Horticulture and Natural Farming |
| V | Precision Horticulture and Geospatial Tools |
| VI | Post-Harvest, Value addition and Waste Management |
| VII | Plant Protection and Quarantine Management |
| VIII | Horticulture through AICRP Network |
| IX | Horti-Extension, Marketing, Certification and Horti-business |
| X | Horticulture Teaching and Students' Thesis Research |
| XI | Interface with Farmers and Industry |

Dates to Remember

Deadline for abstract submission : **December 20, 2022**

Last date for issuing acceptance letter : **December 30, 2022**



Early Bird Registration and reservation of accommodation: **January 10, 2023**

Registration for Conclave

| Category | Registration Fee (Rs) | |
|--|----------------------------|---------|
| | Early bird Jan 10, 2023 | On spot |
| Scientists/ Teachers/ Extension Specialists- Member ISHRD | 4,000 | 5,000 |
| Scientists/ Teachers/ Extension Specialists- Non- Member ISHRD | 5,000 | 6,000 |
| Corporate Sector | 6,000 | 7,000 |
| Student/ Research Fellow/ Farmer | 1,500 | 2,500 |

The Bank Details:

The registration fee for attending the PHC must be credited to The Editor Progressive Horticulture, Account number 1032-0000-0000-2697 in Nainital Bank Ltd, Haldwani Branch with IFSC code: NTBLOHAL103 and MICR code: 263184003 and the transaction details with registration form MUST be emailed to proghortconclave@gmail.com and phcpantvarsity2023@gmail.com.

About Pantnagar:

The establishment of GBPUA&T, Pantnagar in 1960 brought about a revolution in agricultural education, research, and extension. It paved the way for setting up of series of other agricultural universities in the country. The credit for starting the functioning of the University without losing any time goes to the warm and resourceful personality of the first Vice-Chancellor, the late Dr. Kenneth Anthony Parker Stevenson (1-12-58 to 2-1-64), who could keep people fruitfully engaged on the university farm, the labs and the classrooms despite the lurking fear of wild animals roaming in the area. The other 25 Vice-Chancellors also made their distinctive contributions in the development of the University. Stretched in an area of over 9,000 acres, the campus appears impressive today with its well-tended fields, a network of roads, housing colonies, hostels, street lighting, a telephone exchange, hospitals, marketing centers, a water supply section, 6 primary schools and 3 secondary schools. This main campus has the area responsible for the entire Uttarakhand representing plains, Tarai, Bhabar and hill areas. However, to provide service to the hill region its other stations are situated at Pithoragarh, Chamoli, Rudrapur, Majhera (Nainital district), Lohaghat-Sui (Champavat district), etc. The university, regarded as the harbinger of green revolution, has served as a role model for agricultural education. The university has developed more than 350 varieties and hybrids in a

variety of agronomic, horticulture, fodder and forest crops. More than 140 externally funded projects are currently running in the university

The globally acclaimed university has been crowned with numerous recognitions like, Best Institutions Awards, QS, NIRF World ranking, etc. The Pantnagar seeds and Pantnagar graduates are most sought-after products. The detailed information about the university can be explored on www.gbpuat.ac.in

The Society

The genesis of the Indian Society of Horticultural Research and Development (ISHRD), dates back to March 1969, when it was formed as the Hill Horticulture Development Board (HHDB) at the Horticulture Experiment and Training Centre (HETC), Chaudhatta, Ranikhet, Almora, Uttar Pradesh (Now Uttarakhand). The promotion of research in Horticulture and publication of research journal was the dream of Dr. S S Teotia, the then Director, the Directorate of Fruit Utilization, Government of Uttar Pradesh. A quarterly journal "Progressive Horticulture" was first published in April - June 1969. Since then, the journal has successfully completed 54 volumes of its publication. Presently, the journal is published bi-annually in the months of June and December. Luminaries in the field like Dr. J N Seth, Dr R P Srivastava, Dr. D S Rathor, Dr. S D Lal Mishra, Dr P L Gautam, Dr. H P Singh and Dr. R K Pathak have contributed immensely toward the growth of society, and its journal, which is regularly publishing significant research pertaining to horticulture. Progressive Horticulture is the second oldest journal of horticulture in the country, widely cited by the scientific fraternity. The journal is available online at www.indianjournals.com and on its website at www.progressivehorticulture.in

How to reach Pantnagar:

Pantnagar is well connected by bus, train and air from Delhi/ Lucknow. Pantnagar (0 km) and Bareilly (75 km) are the nearby airports, Pantnagar (5 km), Rudrapur City (15 km), Lal Kuan (10 km) are the nearby railway stations and Pantnagar (5 km) and Rudrapur (14 km) are nearby bus stop/ stations. Pickup and dropping facilities from/ for Pantnagar/ Rudrapur/ Lal Kuan for guests staying in the university campus will be rendered by the organizers

Accommodation:

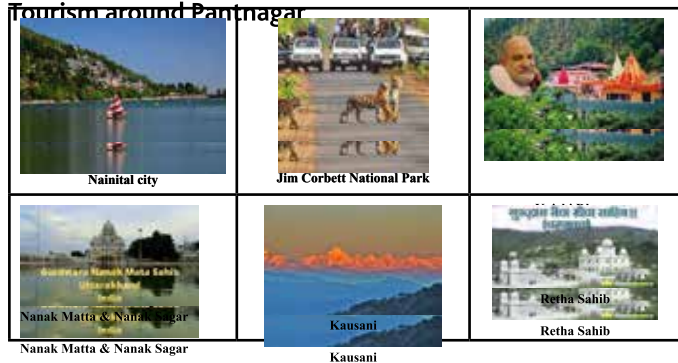
A limited number of registered delegates will be accommodated in the Guest Houses of the University on first-come-first-serve basis on official rates. Other guests will be provided accommodation in the Ginger and The

Radisson Blu hotels located in between Pantnagar and Rudrapur. The conference centre is of 5 hotels (with complimentary breakfast) as follows:

| Occupancy | Ginger Hotel | Radisson Blu | |
|-----------|---------------|---------------|----------------|
| Occupancy | Ginger Hotel | Superior | Business Class |
| Single | Rs 1499 + Tax | Rs 4000 + Tax | Rs 5500 + Tax |
| Double | Rs 2299 + Tax | Rs 4000 + Tax | Rs 6500 + Tax |

Guests are requested to directly contact the hotels (Ginger-Sales.pantnagar@gingerhotels.com and Radisson Blu (Gopavastidas.pantnagar@radissonhotels.com) for reservation and pickup/droping from Pantnagar airport and Rudrapur railway station/ bus stand

Tourism around Pantnagar



National Advisory Committee

Patron:

Dr M.S. Chauhan, Vice-Chancellor, GBPUA&T, Pantnagar

Revered Members:

- Prof RK Pathak, President, ISHRD
- Dr A.K. Singh, DDG Horticulture, ICAR
- Dr T. Jankiram, Vice-Chancellor, Dr YSRHU, A.P.
- Dr D.R. Singh, Vice-Chancellor, SBPUA&T, Meerut
- Dr Bidyut C. Deka, Vice-Chancellor, AAU Jorhat
- Dr A.K. Karnataka, Vice-Chancellor, MPUA&T, Udaipur
- Dr Indra Mani, Vice-Chancellor, VNMKV, Parbhani
- Dr B. Neeraja Prabhakar, Vice-Chancellor, SKLHSU, Telangana
- Dr S.S. Gosal, Vice-Chancellor, PAU Ludhiana
- Dr B. Singh, Vice-Chancellor, NDUAT, Ayodhya
- Dr H.P. Singh, Former DDG Hort, ICAR
- Dr S.K. Malhotra, Director Ministry of Agriculture & Farmers' Welfare
- Dr Prabhat Kumar, Horticulture Commissioner, GOI, New Delhi
- Dr T K Behera, Director ICAR-IIVR, Varanasi
- Dr Devender Pandey, Director (Actg) ICAR-CISH, Lucknow
- Dr Shri Dhar, Dean CAU, Thenzawl, Mizoram
- Dr. R A Ram, Former Head (CP), CISH, Lucknow
- Dr Sandhya Gupta, ICAR-NBPGR-New Delhi
- Dr. Ratan Kumar, Jt Dir (Hort), Govt of Uttarakhand
- Dr. Basant Ballabh, Treasurer ISHRD/ DIBER-Haldwani

PHC Coordinators:

- Dr. Sanjai K. Dwivedi, Editor-in-Chief, Progressive Horticulture/ DRDO, New Delhi
- Dr S.S. Singh, ISHRD/Head KVK, Almora
- Dr. A.K. Srivastava, ICAR-CCRI, Nagpur

Organizing Secretary:

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Local Organizing Committee

Prof. Manmohan Singh Chauhan, Hon'ble Vice-Chancellor – Chairperson

Dr. H.S. Baweja, Director Horticulture, Govt. of Uttarakhand & Horticulture Mission Uttarakhand

Dr. A.K. Shukla, Registrar

Sri Devkant Pahad Singh, Director DIBER, DRDO Haldwani

Dr. N.S. Jadon, Dean Veterinary

Dr S.K. Kashyap, Dean Agriculture

Dr. K.P. Raverkar, Dean PGS

Dr. Alka Goel, Dean Home Science

Dr. Alaknanda Ashok, Dean Technology

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Dr. R.S. Jadoun, Dean Agribusiness Management

Dr. Malobica Das Trakroo, Dean Fisheries

Dr. A.S. Nain, Director Experiment Station

Dr. A.K. Sharma, Director Extension Education

Dr Brijesh Singh, Dean Students' Welfare

Dr. S.K. Bansal, Director Communication

Sri. Ashish Bhatgain, Director Admin & Monitoring

Sri. Dhram Singh Bonal, Comptroller

Dr D.C. Dimri, Head Horticulture

Dr D.K. Singh, Head Vegetable Science

Important Contacts:

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The PHC 2023 Secretariat:

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COLLEGE OF AGRICULTURE



COLLEGE OF FISHERIES



COLLEGE OF TECHNOLOGY



COLLEGE OF BASIC SCIENCES AND HUMANITIES



COLLEGE OF VETERINARY AND ANIMAL SCIENCES



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[February 3-5, 2023]

organized by the
G.B.P.U.A.&T., Pantnagar & ISHRD, Uttarakhand

REGISTRATION FORM

1. Name(Dr/Mr/Ms):.....

2. Designation:

3. Organization:.....

4. Mailing Address:.....

Mb./E-mail:.....

5. Details of payment:

Mode: Draft/Multi City/ Cheque/RTGS /

Bank Details:.....

Ref No. & Date:.....

Amount (Rs):.....

6. Title of the paper(s):.....

.....

.....

7. The session:.....

8. I am only attending the conclave: Yes/No

9. I am presenting the paper: Yes/No

10. I am enclosing the abstract: Yes/No

11. Accompanying Person (if any): Yes/No

Date:

Signature

