

**Circular**

**ICAR Sponsored**

**Winter School**

**on**

**Innovation in Potato Improvement, Production and Utilization Technologies for  
Doubling Farmer's Income**

**(18<sup>th</sup> January to 7<sup>th</sup> February, 2022)**



**Venue: ICAR-Central Potato Research Institute, Shimla**



**ICAR-Central Potato Research Institute, Shimla  
Himachal Pradesh**



## **Innovation in Potato Improvement, Production and Utilization Technologies for Doubling Farmer's Income**

Potato, the third most important non-grained food crop globally reached Indian sub-continent in the beginning of 17th century by Portuguese traders or British missionaries. However, non-adaptive varieties, lack of technical know-how specifically virus menace management in seed potato production led to poor productivity. Since inception of ICAR-Central Potato Research Institute in the year 1949 by Government of India led to harness of the actual potential of this versatile crop. Today potato has a major share in total horticultural production in India and has attained a production of 50.19 MT from an area of 2.17 million ha during 2020. The suitable technologies developed by the institute transformed this temperate crop to sub-tropical leading to more than 90 percent acreage in the Indo-Gangetic plains of country as a Rabi crop. Till now, 65 potato varieties of table and processing sectors have been released at National and state level that occupies nearly 95% of total area under potato cultivation. The state of art production technologies from quality seed production to value addition with sophisticated instrumentation facility and experienced personnel led to transition of potato to wholesome food crop for potato consumer and as potent source of income to the growers.

### **Objectives**

The training programme will focus on exposure of participants to the recent developments in the field of potato crop improvements for yield, quality, resistance to biotic and abiotic factors, seed production technologies and nutritional aspects. The 21 days programme will comprise lectures and practical sessions by experienced scientists from CPRI and its regional stations. Visits to fields and laboratories have been arranged to expose the participants to the practical applications. Provision has also been made for interim review to assess the progress of the participants through group discussion, quiz, debate, etc. The training specifically aims at developing skilled human resource to take up research challenges in the field of potato improvement that ultimately yield in doubling the income of potato farmers.

### **Course content**

The course to be covered will include: status of potato research and development in India and across the globe, advances in potato genetic resources conservation strategies, advances in potato varietal developments including marker assisted breeding, genomics, molecular biology, management of biotic and abiotic stresses in potato crop, innovations in seed potato production, new dimensions in potato production technologies, post-harvest management and value addition of potato, and protection of potato varieties in the era of agriculture globalization.

### **Travelling, boarding and lodging facilities**

The lodging, boarding and travel expenses of the selected participants will be born under training programme budget as per ICAR guidelines. Accommodation will be provided at the Institute's guest house. The travel expenses will be restricted to maximum AC-II tier train or bus fare by the shortest route. Participants are required to produce money receipt/tickets in support of their claim. Air travel is not allowed. The reimbursement will be made as per ICAR guidelines. Participants are requested not to bring any family member along with them.

### **Registration Fee**

Only 25 participants will be selected for the Winter School by a screening committee. All selected participants have to pay Rs 50/- through Demand Draft in the favour of Director, CPRI, Shimla as a registration fee.

### **How to reach**

Shimla is well connected to neighboring places like New Delhi and Chandigarh through national highways. The journey from Delhi to Shimla by road takes approximately 8 hours. ICAR-CPRI is located at Bemloe, Shimla about 5 km from ISBT, Tutikandi-New Bus stand, and about 2-3 km from Shimla railway station/Old bus stand. Taxi can be availed at railway/airport/bus stations to reach ICAR-CPRI, Shimla. Participants are requested to make his/her own arrangement of transport to reach at ICAR- CPRI, Shimla.

### **Eligibility**

The participants should have at least Master's Degree and working not below the rank of Scientist/Assistant Professor and equivalent in relevant disciplines in SAUs/ICAR Institutes. The participants should be working/ associated in the area of potato/horticultural crops and allied aspects. Maximum intake of participants will be limited to 25 to this Winter School on first come first serve basis.

### **How to Apply**

Interested candidates should apply online through registering at ICAR-CBP portal (<https://cbp.icar.gov.in/>) following the guidelines through proper channel (recommended by the competent authority) on or before last date (15 December, 2021). After the candidates are intimated about their selection, they should immediately reply to Course Director with firm acceptance and travel plan. Cancellation at the last moment for casual reasons after acceptance will be regarded as a breach of ethical conduct since it may deprive other eager candidates who could have availed this opportunity.

### **Important Dates**

Last date of submission of Application	4 December, 2021
Communication to Participants	5 December, 2021

**Course Director:** Dr. Jagesh Kumar Tiwari

**Course Coordinators:** Dr. Manoj Kumar, Dr. (Ms) Tanuja Buckseth, Dr. NK Pandey

**Course Co-coordinators:** Dr. (Ms) Dalamu, Dr. (Ms) Aarti Bairwa

**All correspondence may be made to Course Director:**

**Dr. Jagesh Kumar Tiwari**

Senior Scientist & Course Director

Division of Crop Improvement & Seed Technology

ICAR-Central Potato Research Institute, Shimla - 171 001, HP

Mobile +91-86290-79084; Phone: +91-177-2625181 (ext. 522); Fax: +91-177-2624460

Email: [jageshtiwari@gmail.com](mailto:jageshtiwari@gmail.com); [jagesh.kumar@icar.gov.in](mailto:jagesh.kumar@icar.gov.in)



भाकृअनुप-केन्द्रीय आलू अनुसंधान संस्थान, शिमला-171 001  
ICAR-Central Potato Research Institute, Shimla-171 001



**APPLICATION FORM**

Winter School on

*Innovation in potato improvement, production and utilization technologies for doubling farmer's income*

**(18<sup>th</sup> January to 7<sup>th</sup> February, 2022)**

Name: .....

Designation: .....

Institute/University: .....

Address of correspondence (Official): .....

Telephone:    Mobile: ..... Office: ..... Home: .....

Fax.: ..... Email: .....

Date of birth: ..... Gender: .....

Field of specialization: .....(Attach brief biodata with publication list)

It is certified that all the information furnished by me is true to the best of my knowledge.

Date:

Signature of applicant

Recommendation of forwarding authority with seal:

