

University is situated very near to this campus. Potato research in various disciplines through 11 interdisciplinary research programmes is carried out for the plains of India. Besides research and extension, this campus contributes almost half of breeder seed production of the country. This Campus also serves as one of the Centres of All India Co-ordinated Research Project on Potato and has national and international research collaborations. The campus is well equipped with modern facilities like laboratories, library, meeting halls, guest house and farmers Training Hall. Laboratories are well equipped to carry out advance studies and hi-tech seed production. The campus has 165 ha land area which facilitates excellent conduct of field experiments and high quality seed production of potato and other crops.

HOW TO REACH ICAR-CPRI REGIONAL STATION, MODIPURAM

ICAR-Central Potato Research Institute-Regional Station is located at Modipuram, Meerut opposite to SDS Global Hospital along Delhi-Haridwar national highway No.58. This Regional Station is situated at about 14 km from Meerut City railway station and about 10 km from Meerut Cantt. Railway station and about 11 km from Meerut City (Bhainsali) bus stand. Hired taxi/auto-rickshaw can be availed at railway/bus stations to reach the campus.

WEATHER

During the month of November-December, Meerut is having a cold weather conditions with temperatures ranging between 11-23°C and mild foggy conditions.

IMPORTANT DATES

Last date of receipt of nomination : 25th October, 2019
Communication to the participants : 30th October, 2019
Last date of confirmation from participant : 01st November, 2019

All correspondence may be addressed to:

Course Director: Joint Director

ICAR-Central Potato Research Institute Regional Station, Modipuram,
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Detailed information is also available at:

<http://cpri.icar.gov.in>; <http://cpric.res.in>

ICAR Sponsored - Winter School

Advancement in Potato production technology & its future prospects

Nov 19-Dec 09, 2019



Patron : Dr SK Chakrabarti, Director

Course Director : Dr Manoj Kumar, Joint Director

Course Coordinators : Dr Anuj Bhatnagar, Principal Scientist
Dr Mehi Lal, Scientist (Senior Scale)

Organised By

**ICAR-Central Potato Research Institute
Shimla-171001 (HP)**

**Venue-ICAR-Central Potato Research Institute
Regional Station, Modipuram-250110, Meerut (UP)**



ABOUT THE COURSE: Potato is designated as **Food for Future** by FAO. This is the 3rd most important food crop in the world after wheat and rice. With changing climate, increasing temperature and extreme weather events causing production threats to many food crops. Potato production below the ground presents a great promise to face future challenges. India is the second largest producer of potato with a production and productivity of 48 MT and 23.6 t/ha, respectively. More over this crop produce comparatively higher yield of nutrients per unit area and time therefore become more important, where land is scarce. That's why this crop is important for mostly of small and marginal families of the country. Among the various factors related to quality seed and ware potato production, farmers are increasingly forced to face water stress change, changes in rainfall patterns and its intensity, frost and fog, post harvest losses, pests and diseases, issues related with processing and entrepreneurship etc are important for future prospects of this crop. CPRI and its regional campus, Modipuram are addressing these issues and working on future technologies like genome sequencing of pests and diseases, development of new potato varieties of specific traits, organic potato production, plant nutrition, water management with MIS, forecasting models, soil health and high tech seed production through aeroponic and tissue culture. Potato production is highly dependent on climate and weather factors. This winter school is aimed to provide latest information on the sciences, research and technology of potato production and its role in doubling the farmer's income by 2022.

OBJECTIVES: The objective of this Winter School is to provide training to scientists and teachers to update their skills in the field of recent advancements made in the field of Crop Improvement, Production and Post-harvest Technology in Potato Research. Extension of such technological advances to farmers and other stakeholders will enable them to achieve higher productivity thus realising the goals of food security for ever growing population and small entrepreneurship. This exposure will provide trainees an opportunity to discuss and exchange ideas with experts/resource persons who are involved deeply in the field of potato research and development.

COURSE CONTENT: The course content will broadly cover the development of potato varieties, general and molecular breeding approaches for biotic and abiotic stress management, identification and management of potato pests/diseases through various approaches, seed production technology, plant nutrition and soil health, agronomic practices, potato based cropping systems, modern methods of irrigation, techniques of post harvest technology, processing and storage of potatoes, molecular, techniques for gene transfer in potato, mechanization, marketing, technology transfer approaches in potato etc.

TRAVELLING, BOARDING AND LODGING FACILITIES: The boarding, lodging, TA and DA expenses of the selected candidates will be met from ICAR funds as per norms and operational guidelines for organization of Winter School. Participants will be paid to and fro fare for journey by train as per their entitlement (restricted to the maximum of AC-II Tier) or bus or any other means of transport in vogue, as the case may be. The participants will be paid actual TA on production of documentary proof. Participants are requested to send their travel plan in advance. Internal candidates posted at this institute will be provided lunch and forenoon/afternoon tea. The participants will be provided free boarding and lodging at the Campus Guest house. Participants are advised not to bring their spouse/children along with them during training period, as in our guest house facilities are very limited.

REGISTRATION FEE: Only 25 participants will be selected for the course by a screening committee. All selected participants have to pay Rs 50/- as registration fee in the form of Demand Draft/Postal Order in favour of **Senior Scientist, CPRS, Modipuram**.

ELIGIBILITY: Candidates holding the rank of Scientist/Assistant Professor and above or equivalent in the National Agricultural Research System (NARS) including ICAR institutes, State Agricultural Universities, Deemed Universities, Central Agricultural Universities possessing Master's or Doctoral degree in Agriculture and allied sciences are eligible to apply for the Winter School. However, the final selection will be made only if the application duly recommended by the authority is received. No course fee will be charged from the participants.

HOW TO APPLY?

Applications are invited from interested scientific and teaching staff of Universities/Institutes through online (<http://cbp.icar.gov.in/HomePageAfterLogIn.aspx>) portal. Application should be uploaded after all official formalities duly approved by competent authority on or before 25th October, 2019. After the candidates are intimated of their selection, they should immediately reply 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.

About ICAR-CPRI Regional Station: ICAR-Central Potato Research Institute Campus, Modipuram is the biggest Regional Station of the ICAR-Central Potato Research Institute, Shimla. The campus is situated about 80 km from New Delhi on and Delhi-Roorkee highway, NH 58 and the city of Dehradun and Haridwar is 180 and 140 kms, respectively from this place. Two ICAR institutes and a state Agricultural