



उच्च संकाय प्रशिक्षण केन्द्र, पादप रोग विज्ञान, कृषि महाविद्यालय
गोविन्द बल्लभ पन्त कृषि एवं प्रौद्योगिक विश्वविद्यालय
पन्तनगर-263145, उत्तराखण्ड

CENTRE OF ADVANCED FACULTY TRAINING IN PLANT PATHOLOGY
College of Agriculture, G.B. Pant University of Agriculture and Technology
PANTNAGAR-263 145, UTTARAKHAND

Dr. Pradeep Kumar
Director

No. CA/CAFTPP/324
Dated: 25 / 11 / 2019

Subject: Nominations for the Training Programme on “Pre and Post-harvest Disease Management of Horticulture Crops through Improved Technologies and Value Addition to Enhance Farmers Income” from February 05-25, 2020 under CAFT in Plant Pathology.

Dear Sir/Madam,

I am pleased to inform that the Centre of Advanced Faculty Training in the Department of Plant Pathology at G.B. Pant University of Agriculture and Technology, Pantnagar is organizing the 40th ICAR sponsored 21 days training programme on the topic “Pre and Post-harvest Disease Management of Horticulture Crops through Improved Technologies and Value Addition to Enhance Farmers Income” w.e.f. February 05-25, 2020. The training is especially designed to update knowledge and acquainting the participants with latest and simple technologies which help in reducing post harvest losses. Teachers, researchers and extension specialist are encouraged to participate in the training. This information may kindly be widely circulated.

It is further requested to please nominate two interested faculty members (Assistant Professor, Associate Professor or equivalent rank) for the said training programme from your organization/university/institute. Sponsored candidates should apply online using CBP vortal at www.iasri.res.in/cbp or under the link capacity building programme at www.icar.org.in latest **by 31-12-2019**.

Thanks and regards,

Encl.: Information brochure

Yours sincerely


(Pradeep Kumar)

CENTRE OF ADVANCED FACULTY TRAINING IN PLANT PATHOLOGY



Sponsored training



on

**“Pre and Post-harvest Disease Management of Horticulture
Crops through Improved Technologies and Value Addition
to Enhance Farmers Income”**

(February 05-25, 2020)



**DEPARTMENT OF PLANT PATHOLOGY
COLLEGE OF AGRICULTURE
G.B. Pant University of Agriculture & Technology
Pantnagar-263 145 (Uttarakhand)**

ABOUT THE CAFT

The department of Plant Pathology was created and accredited by Indian Council of Agricultural Research (ICAR) in 1961. The department took the lead in introducing the postgraduate programme leading to masters degree in 1963 and doctoral degree in 1965 in Plant Pathology. In view of the outstanding quality of teaching, research and extension work being carried out by the department, ICAR upgraded the department in the year 1995 to the status of Centre of Advanced Studies in Plant Pathology (CAS). The CAS was awarded by the education division, ICAR on August 14, 1998 with a certificate of appreciation in commemoration of Golden Jubilee year of independence (1998) for organizing the programmes for human resource development and developing excellent instructional material. ICAR further elevated CAS as Centre of Advanced Faculty Training (CAFT) in the year 2009-10. The major mandate of the CAFT is to train scientific faculty from all over the country in important and innovative areas of Plant Pathology. So far 38 trainings, with 794 participants from 25 states, have been held.

ABOUT THE COURSE

Fruits and vegetables not only provide the growers nutritional security but also high income. Spoilage mainly occurs due to microbial attack, auto-oxidation and insect/pest attack. Unfortunately about 25-30% of horticulture produce, 10-25% of vegetables and 30-40% of flowers get wasted due to lack of post-harvest management which results in huge loss. At least, 25 to 30 per cent of fruits and vegetables in the country is lost due to wastage and value destruction. The wastage cost was estimated to be Rs.67,500 crores each year. Even if just 1% of this is saved by converting them into value-added products, there will be a saving of Rs.67.5 crores annually.

Pre- and Post-harvest management of horticultural produce is, therefore, the need of the hour in order to feed the ever-growing population of the world in general and India in particular. The most important advantage of post-harvest management and processing is the reduction of post-harvest losses of fruits and vegetables. It is a well-known fact that fruits and vegetables are perishable in nature due to its high moisture content, high

rate of physiological activity viz. respiration and ripening, microbial attack, rapid biochemical changes such as enzyme activity, softening of the texture and many other biotic and abiotic factors. Harvesting season of almost all fruits and vegetables is very short, lasting only 1-2 months. During this short period, the availability of particular fruits and vegetables will be abundant, but at the end of the harvesting season, the availability of these products decreases rapidly, and may completely disappear from the market within 1-2 months. Here, therefore, comes the role of post-harvest management of horticultural commodities such as proper handling, packaging and storage at safe low temperature, maintenance of the cool chain during transportation and marketing, pre and post-harvest treatments in order to increase the shelf-life and reduce the overall spoilage, etc. These practices make fruits and vegetables available throughout the year. Many modern technologies such as refrigerated storage and transportation, controlled and modified storage, irradiation, processing into value-added products are some of the ways to extend the availability of fruits and vegetables.

Pathological and Entomological factors also play an important role in deterioration of horticultural crops those results from the activity of bacteria and fungi, which are already present on the surface of fruits or vegetables. It is because micro-organisms get access to the commodities through its physical or mechanical injuries and set deterioration in motion in the form of rot and softening of fruits. The present training course is designed to fulfill the pertinent objectives.

PARTICIPANTS

Teachers and researchers working in this area in SAUs, ICAR and other institutes are eligible. The number of participants will be limited to twenty five (25).

ELIGIBILITY

Candidate should be in the position of Assistant Professor, Associate Professor or equivalent rank and possess a Post Graduate Degree in Science/Agricultural Science/ Plant Pathology and be preferably below the age of 50 years.

NOMINATIONS

The participants should apply online using CBP portal at www.iasri.res.in/cbp or under the link Capacity Building Programme at

www.icar.org.in **latest by 31-12-2019**. User has to create account on the CBP site and then using the login id enter into system to apply online for the training programme. After filling the online application, take a printout of the application and get it approved by the competent authority of the organization. Upload the scanned copy of application through CBP vortal and send the hard copy of approved application to undersigned. The selected candidates will be informed by post, fax and/or e-mail.

TRAVEL, BOARDING AND LODGING

Participants will be paid to and fro fare by shortest route restricted to AC-II train or Bus on submission of tickets. Free boarding and lodging will be provided to participants during the training programme as per ICAR guidelines.

Course Director

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**For detailed information, please visit
www.gbpuat.ac.in**