

**Integration of Elicitors and Plant Nutrients in Abiotic Stress Management
of Agricultural and Horticultural Crops**
(15th Feb 2025 to 07th March 2025)



APPLICATION FORM

Name:
Designation:
Date of birth:
Mailing address:

Telephone No.:
Fax No.:
E-mail:
Name of last degree with subject:

Field of specialization:

Experience:

Teaching: UG _____ years

PG _____ years

Research _____ years

Extension _____ years

Any other information not covered above

CERTIFICATE

It is certified that the information furnished above are correct:

Date:

Signature of the head of institution

Signature of the candidate

Date:

Seal:

**CENTER OF ADVANCED FACULTY
TRAINING IN CROP PHYSIOLOGY
(ICAR)**



**ADVANCED FACULTY TRAINING
On**

**Integration of Elicitors and Plant Nutrients in Abiotic Stress Management
of Agricultural and Horticultural Crops**

(15th February 2025 to 07th March 2025)

**Department of Crop Physiology
Acharya Narendra Deva University of
Agriculture & Technology
Kumarganj, Ayodhya, (U.P.) - 224 229**

The course has been primarily designed for faculty members of SAU's and ICAR institutes to acquaint with the importance of plant growth regulators (PGRs) and nutrients in crop production. In view of the ever increasing population and depleting natural resources, to meet this staggering challenge, scientists must develop the technology required to achieve an "evergreen" revolution one that increases crop productivity without degrading natural resources. Any further demand of additional food production must be met by better and integrated management practices. Although high yielding hybrid crop varieties do extremely well under normal management practices, very seldom their full gene potential is realised. PGR induced higher yields are due to altered photosynthate distributive patterns within the plant and as such do not require much more additional agricultural inputs. PGRs have the potential to further improve the yield of even high yielding crops, fruits, etc by altering gene expression also make plants capable to combat with detrimental effect of the environmental changes that could not be readily regulated by any other means. Besides, they also help in better utilization of nutrient by the crops. The application of biotechnology will provide a better tool for understanding plant metabolism and modified assimilative processes, right from germination to the senescence. As a consequence, they will help to improve the agricultural productivity vis a vis cropping efficiency. The Major Thrust- Course Outline are-

- Manipulating yield potential in crops with plant growth regulators
- PGRs and plant adaptation to changing climate
- Use of growth regulators in horticultural crops
- Growth regulators and the post harvest life
- PGRs in tissue culture
- Strategies to improve crop yields and quality without degradation of natural resources
- Plant growth interaction with nutrition and environments
- Diagnostic techniques of nutritional disorder (soil testing, plant analysis, visual symptoms, crop growth responses and correction of nutrient disorder)
- Presents alternative growing techniques (hydroponics, aeroponics, nutrient film technique, standing aerated, flood-and-drain, drip irrigation, and sub-irrigation)
- Molecular basis of hormone action
- Simulation model of crop growth and soil fertility

TRAINEES

Teachers and Researchers not below the rank of Assistant Professor from State Agricultural Universities, Deemed Universities and ICAR Institutions are eligible. Total number of candidates will be restricted to TWENTY FIVE ONLY.

TRAVEL

The participants will be paid for the journey, to and fro, restricted to AC-III tier train fare or bus.

ACCOMODATION

Boarding and lodging shall be provided to the participants by the organizer. D.A. will be paid as per our university rules.

TRAINERS

The faculties of Acharya Narendra Deva University of Agriculture & Technology and invited faculties from other Universities and ICAR institutions.

GENERAL INFORMATION

Location : University Campus is 42 Km. away from Ayodhya district headquarter

Weather : During February climate will be slightly cold and temperature will range in between 12°C - 30°C

LAST DATE FOR RECEIVING APPLICATION: 31st, Jan, 2025
HOW TO APPLY?

The participant's application will be received through online (ICAR mandate) using CBP vortal through <http://iasri.res.in/cpb> or under the link Capacity Building Programme at <http://iasri.org.in> After filling the online application, take a print out of the application and get it approved by the competent authority of the organization and Upload the scanned copy of application through CBP vortal on or before **31st, Jan, 2025**. Selection of participants will be from online applications and the selected participants list will be uploaded/ displayed on the vortal.

CONTACT PERSON

DR. A.K. SINGH

Director, CAFT & Head

Department of Crop Physiology

Acharya Narendra Deva University of Agriculture & Technology,
Kumarganj, Ayodhya, (U.P.) - 224 229

Telephone: 05270-262038 (O), Mob. No.9415720338

E-mail: assinghkumar3@gmail.com

Course co-coordinators

Dr. Diwakar Singh (9979246301)

Dr. Mahendra Singh (7903352655)

Further enquiry pertaining to any other information regarding this training programme can also be made to the Director, Centre of Advanced Faculty Training at the following address:

DR. A.K.SINGH

Director, CAFT & Head

Department of Crop Physiology

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