

Centre of Advanced Faculty Training (CAFT) in Soil Science



Advance training course on

CLIMATE SMART STRATEGIES TO INCREASE INPUT USE EFFICIENCY OF SOIL AND WATER RESOURCES

November 28 – December 19, 2023



DEPARTMENT OF SOIL SCIENCE
PUNJAB AGRICULTURAL UNIVERSITY
LUDHIANA-141004 (PUNJAB)
web.pau.edu

Objectives of the training

In the face of climate change and the growing demand for food production, it has become imperative to develop climate smart strategies to enhance the efficiency of soil and water resources. The sustainable management of these resources is crucial not only for agricultural productivity but also for mitigating the environmental impacts of intensive farming practices. As the global population continues to expand, the need to produce more food with fewer inputs, including water and agrochemicals, has become increasingly urgent. Climate smart strategies aim to optimize the use of these resources while minimizing negative environmental effects, ensuring long-term agricultural sustainability, and building resilience to climate variability.

The climate strategies include precision agriculture involving remote sensing and GIS mapping to tailor inputs precisely to the needs of specific areas within a field. By employing site-specific management, farmers can optimize irrigation, fertilization, and pesticide application, resulting in improved crop yields and reduced resource use. Additionally, the integration of conservation agriculture practices, such as minimum tillage and crop residue management, helps to enhance soil structure, increase water infiltration, and reduce erosion, thereby improving water and nutrient retention in the soil. These climate smart strategies play a vital role in achieving sustainable intensification of agriculture while mitigating the adverse impacts of climate change.

Participants

This course has been planned especially for the soil scientists, agronomists, and others who are engaged in research on climate smart strategies to increase input use efficiency of soil and water resources

Eligibility and admission

Candidates should possess a postgraduate degree in Soil Science/Agricultural Chemistry/Agronomy/Forestry/Agricultural Engineering/Life Science and be preferably below 45 years of age. **The candidates should apply online on ICAR CBP Portal.** Candidates are required to mention their e-mail ID and mobile number in the application. The approval of the candidates would be done on ICAR CBP Portal and selected candidates will be informed via e-mail. The selected candidates are advised to confirm their participation immediately preferably through e-mail, failing which the candidates in the waiting list will be given a chance to participate.

The training course, being organized under the auspices of the Centre of Advanced Faculty Training, will be guided by the ICAR-CAFT rules. Participants will be paid to and for journey fare by rail as per their entitlement for class of travel restricted however, to the maximum of AC II Tier or AC III Tier, provided the sponsoring institute issues a certificate that the participant will not be given any TA/DA.

Lodging and Boarding

The Centre of Advanced Faculty Training will arrange lodging and boarding of the participants as per ICAR norms. The trainees are requested not to bring family members with them, as the accommodation will be provided for the participants only.

Climate

The weather in Ludhiana during this period would be mildly cold. Light woollen clothing may be required.

How to apply

Interested candidates may register for the course by sending duly filled prescribed application form countersigned by the sponsoring authority (after uploading the approved application on ICAR CBP Portal) to the following address by 20th November, 2023, positively.

Dr. Dhanwinder Singh,
Director, CAFT & Head Department of Soil Science,
Punjab Agricultural University Ludhiana-141004 (Punjab)

E-mail: hodsoil@pau.edu

Ph. No.: +91 161 2409257

The application form can also be downloaded by browsing www.icar.org.in. To create User ID click on “Create New Account” link on home page. Login using your User ID & Password. After login, click on “Participate in Training” link and fill the proforma.



Contact Person

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APPLICATION FORM FOR PARTICIPATION IN THREE-WEEK TRAINING COURSE

Training Course on

CLIMATE SMART STRATEGIES TO INCREASE INPUT USE EFFICIENCY OF SOIL AND WATER RESOURCES

(Nov 28 – Dec 19 , 2023)

(Last date for receipt of applications: 20th Nov, 2023)

1.Full name (in block letters)

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2.Designation

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3.Present employer and address

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4.Address to which reply should be sent (in block letters) along with fax, telephone and e-mail

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5.Permanent address

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6. Date of birth.....

7.Sex, Male/Female.....

8.Mention if you have participated in any training programmes under ICAR with dates
Signature of the applicant

Date

Place.....

Recommendations of forwarding authority

Signature.....

Designation Address

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Date.....