Centre of Advanced Faculty Training (CAFT) in Soil Science

Advance training course on

SOIL AND WATER MANAGEMENT FOR SUSTAINING INTENSIVE AGRICULTURE
December 1 – 21, 2022

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

Objectives of the Training
The soil sustains most living organisms being the ultimate source of their mineral nutrients. Soil and water management are important both directly and indirectly, to sustain crop production, environmental sustainability and human health. Because of the projected increase in population and the consequent necessity for the intensification of sustainable food production, the management of these two precious resources will become increasingly important. With continually increasing demand for food accompanied by the constraints of climate change and the availability and quality of soil and water, the world’s farmers are challenged to produce more food per hectare through crop intensification with less water and fewer agrochemical inputs.

Promoting better root growth and enhancing soil fertility with organic materials has been found effective in raising the crop yield with less water, fertilizers and agrochemicals and greater climate resilience. However, under intensive cropping systems continuous use of conventional farming practices with conventional tillage and burning crop residues has degraded the soil resource base and accentuated soil degradation with concomitant decrease in crop production capacity. Further, escalating fuel, fertilizers and other input costs necessitate the optimum use of resources in agriculture which can be met through management of soil and water by adopting advanced agricultural interventions. Sustaining crop production in intensive agriculture will be determined by the fact that how efficiently we manage our soil and water resources to restore/maintain soil health in future.

Participants
This course has been planned especially for the soil scientists, agronomists, and others who are engaged in research on soil and water management for sustaining intensive agriculture

Eligibility and admission
Candidates should possess a postgraduate degree in Soil Science/Agricultural Chemistry/ Agronomy and be preferably below 45 years of age. The candidates should apply online on ICAR CBP Vortal. 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 Vortal 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 fro 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 December would be mildly cold. 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 Vortal) to the following address by 15th October, 2022, positively.

Dr. R K Gupta,  
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](http://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.

**APPLICATION FORM FOR PARTICIPATION IN THREE-WEEK TRAINING COURSE**

**Training Course on**

**SOIL AND WATER MANAGEMENT FOR SUSTAINING INTENSIVE AGRICULTURE**  
(December 1-21, 2022)  
(Last date for receipt of applications: 15th October, 2022)

1. Full name (in block letters)  
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2. Designation  
……………………………………………………………………………………………

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  
……………………………………………………………………………………………

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…………………………………………………………………………………………………………………
Date…………………………………………………………………………………………………………………

**Contact Person**

**Dr. Rajeev Sikka**  
Chief-Coordinator CAFT in Soil Science  
Department of Soil Science Punjab Agricultural University Ludhiana-141 004 (Punjab)  
Cell: +91 98146 21735, E-mail: sikkar@pau.edu