

Application Form for Participation in Winter School

Enhancing Water Productivity in Agriculture for Scarcity Zones

Nov. 20, 2019 to Dec. 10, 2019

1. Full Name (in block letters) : _____
2. Designation: _____
3. Present Employer: _____
4. Address to which reply should be sent (along with mobile, telephone, email): _____
5. Date of birth: _____
6. Sex (M/F): _____
7. Teaching/ Research/ Professional experience (mention post held) during last five years and number of publications: _____
8. Marital status: _____
9. Mention your participation in any summer/ winter school/ short course during the last five years under ICAR/ other organization: _____
10. Postal order/ DD no. _____ Date: _____ for Rs. 50/-towards registration (non-refundable).
11. Academic records:

Degree	Discipline	Year	Class	University
Ph.D.				
Master				
Bachelor				

Date:
Place:

Signature of the Applicant

12. Recommendation of forwarding institute: _____

It is certified that information furnished by the candidate has been verified and found correct.

Signature of sponsoring authority with seal

SDAU at a Glance

Sardarkrushinagar (Dantiwada) is about 175 km away from Ahmedabad and 28 km from Palanpur (well connected by rail/ road on Delhi-Ahmedabad route). Weather conditions, in general, during transition phase of November-December remains pleasant with beginning of rosy winters.

S.K. Nagar is well situated in the center encircled in proximity with Shaktipeeths-Ambaji and Bahucharaji, World Heritage - Rani ki vav (Patan), Sun temple (Modhera), Step well and Heritage city (Amdavad), Gandhi Ashram, Akshardham, Aravali forest, International Border, Dholavira, White rann of kutch, Mount Abu etc.



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**ICAR Sponsored
Winter School**

on

**Enhancing Water Productivity in
Agriculture for Scarcity Zones**

Nov. 20, 2019 to Dec. 10, 2019



Course Director

Dr. B. S. Deora

Principal & Dean

College of Renewable Energy and Environmental Engineering

Course Co-directors

Dr. C. K. Patel

Dr. B. S. Parmar

Course Co-ordinators

Er. J. J. Makwana

Dr. A. K. Saini

Centre for Natural Resources Management

S. D. Agricultural University

Sardarkrushinagar, Gujarat (India)

Preamble

In the context of increasing demands for food and fiber under aggravating water scarcity, it is paramount necessary to produce more food with less water. The concept of water productivity reflects the objectives of getting more value or benefit from each drop of water used for agricultural activities, while maintaining or improving ecosystems. In order to achieve the twin objectives of food security and livelihood improvement it is important to use water judiciously and with utmost precision. Scarcity zones faces an uncertain and insufficient rainfall during monsoon, also the availability of water is limited, which call for location specific technologies for management of natural resources. Attempts to raise the water productivity have demonstrated promising results in the region. Efficient and productive use of water can bring better nutrition, more income and productive employment to the farmers of the region. Increased water productivity leads to reduced investment costs by reducing the amount of water that has to be withdrawn from the source. Higher water productivity reduces the need for additional water and land resources in irrigated and rainfed systems, thereby reducing the pressure on water resources.

Course Outline

The course content includes the concepts, methodologies, constraints and examples on improving water productivity across various sub-domains of agriculture practiced in the Scarcity Zones.

The course includes the themes with particular emphasis to water resource management in the context of increasing water productivity.

- Concepts of water productivity and their utility in precise water use
- Crop options to improve water productivity.
- Precision water and fertilizer management in agriculture and horticultural crops.
- Topo-sequential water harvesting, farm ponds and multiple uses in rainfed areas.
- Technological advancements to enhance water use efficiency in crops.
- Integrated farming systems for livelihood security in rainfed ecosystem.
- Recent advances in protected cultivation, conservation agriculture, GIS applications in water management.
- Climate change and potential impact on water productivity.

Objectives

- To sensitize and orient the participants in understanding the issues related to water productivity and resource conservation.
- To enable the participants to acquire the knowledge on the latest techniques/ strategies in field crops ensuring more crop per drop.

Eligibility

The candidates must possess at least Master's Degree in relevant disciplines of Agricultural & allied sciences. Candidate should be working in the rank of Scientist/ Assistant Professor or equivalent and above from ICAR institutes/ SAUs/ CAUs/ Other universities recognized by ICAR.

Nomination and Registration

Applications are invited from eligible candidates in the prescribed proforma along with registration fee of Rs 50/- (Non-refundable) through Postal order/ DD in favour of "SDAU Fund Account" payable at SBI, Dantiwada (02760).

The participants should apply online using Capacity Building Programme on portal <https://cbp.icar.gov.in/>. Printout of duly filled in online application form with due recommendation of the competent authority of the organization be scanned and uploaded through CBP portal. The hard copy of application along with registration fee be sent to the course director. Applicants may send advance copy through email. The selected candidates will be informed individually through e-mail.

Travel, Boarding & Lodging

The participants will be paid to and from shortest route journey fare by rail/bus (limited to II-AC rail/AC bus) as per university norms subject to production of tickets. Free lodging and boarding will be provided at the campus in the Academic/ University Guest House.

Important Dates

Last date for nomination	: Nov. 1, 2019
Intimation of selection to participants	: Nov. 2, 2019
Last date for confirmation from participants	: Nov. 11, 2019