ICAR-DIRECTORATE OF WEED RESEARCH
Jabalpur, Madhya Pradesh

WINTER SCHOOL 2027

Precision Weed Management

Emerging Trends, Advanced Technologies, and Knowledge-Driven Solutions

7-27 January 2027



21 DAYS OF TRAINING

25 PARTICIPANTS

7 JAN PROGRAMME STARTS

COURSE DIRECTOR
Dr. J.S. Mishra

COURSE COORDINATOR
Dr. V.K. Choudhary

COURSE CO-COORDINATORS
Dr. Deepak Pawar & Dr. Jeetendra Kumar Soni

SPONSORED BY
Agricultural Education Division
Indian Council of Agricultural Research
New Delhi - 110012

ORGANIZED BY
ICAR-Directorate of Weed Research
Adhartal, Jabalpur - 482004, Madhya Pradesh

Register by 10 December 2026

dwr.org.in

Course overview

Recent advances in weed science and their practical applications

Background

Weeds constrain agricultural productivity and affect produce quality, biodiversity, animal health and the wider environment. The spread of invasive weeds, the evolution of herbicide resistance and concerns about herbicide residues are making their management increasingly complex.

Sustainable responses require continuous monitoring, sound scientific understanding and the refinement of management practices.

Advances in precision agriculture, remote sensing and other emerging technologies offer new opportunities for weed detection, monitoring and management. This Winter School brings together recent developments in weed science and their practical applications. Drawing on the multidisciplinary research and technology dissemination work of ICAR-Directorate of Weed Research, the programme will strengthen participants' capacity for research, teaching and extension.

Objectives

- Update knowledge of recent advances in weed management across agricultural and aquatic systems.
- Develop practical skills in basic, strategic and applied approaches to weed research and management.
- Strengthen the capacity to plan future research and communicate improved technologies to farmers and other stakeholders.

Coverage

Field crops, minor millets, pulses, oilseeds, fibre and sugar crops; vegetables, fruits and plantation crops; and aquatic ecosystems.

Course themes

01 Relevance of Integrated Weed Management Research
02 Advances in Weed Management for Cereals, Pulses, Oilseeds and Other Economic Crops
03 Agroecological Approaches to Weed Management
04 Precision Weed Management, UAVs and Remote Sensing
05 Weed Management under Changing Climate
06 Development and Management of Herbicide Resistance
07 Herbicide-Tolerant Crops
08 Integrated Management of Parasitic Weeds
09 Integrated Management of Invasive Weeds
10 Biological Control of Weeds
11 Herbicide Fate in Soil, Plants and the Environment
12 Weed Utilization
13 Practical Exposure to Integrated Weed Management



Weed science across agricultural ecosystems

Registration and key dates

Eligibility, online registration and important dates

Who can apply

Officers in the cadre of Scientist, Assistant Professor, Subject Matter Specialist or equivalent and above from ICAR institutes, State Agricultural Universities (SAUs), Central Agricultural Universities (CAUs), and the agricultural faculties of AMU, BHU, Visva-Bharati and Nagaland University are eligible. Applicants should be actively engaged in research, teaching and extension in Agronomy, Weed Science or other relevant agricultural disciplines. **Participation is limited to 25 candidates.**

Application Procedure and Fee

Applications for the training must be submitted online through the training portal, after obtaining approval from the competent authority of the participant's organization. While filling out the online application form, applicants must pay the non-refundable application fee of ₹50/- (Rupees fifty only) through UPI, by scanning the QR code provided or using the following details:

UPI ID: 10462397290NEW@SBI

Merchant Name: ICAR UNIT NIWS JABALPUR

After completing the payment, applicants must enter the payment details in the designated fields of the online application form and then submit the form.

http://ws.dwr.org.in

Last date for online registration: 10 December 2026.

Scan to register

Important dates

Milestone	Date and time
Last date for registration	**10 December 2026**
Intimation of selection	**15 December 2026**
Arrival at ICAR-DWR	**By the evening of 6 January 2027**
Winter School	**7-27 January 2027**
Departure	**After 17:00 on 27 January 2027**

The 21-day programme includes both the opening and closing dates.

Your visit and contacts

Travel, participant support and course coordination



Participant support

Boarding and lodging. Selected outstation participants will receive free boarding and lodging in the institute guest house. Food expenses will be borne by the organizers as per ICAR norms.

Travel reimbursement. To-and-fro travel to Jabalpur by rail or bus via the shortest route will be reimbursed according to the participant's entitlement and actual fare, subject to a maximum of AC II-tier train fare/bus fare.

Local participants. Lunch and inter-session tea will be provided. Local participants are not eligible for boarding and lodging.

DA and accompanying family. No daily allowance (DA) will be paid. Accommodation is limited; participants are requested not to bring family members.

Reaching ICAR-DWR

Jabalpur, known as the "*Sanskardhani*" of Madhya Pradesh, is connected to other parts of the country by air, rail and road.

Participants may arrive at Jabalpur or Madan Mahal railway station, Deen Dayal Upadhyay bus stand, or Jabalpur airport. Taxis and auto-rickshaws are available for travel to the ICAR-DWR campus near Maharajpur Housing Board Colony.

January generally brings mild days and cool nights. Bring suitable winter clothing and make return travel reservations before leaving for Jabalpur.

Course leadership

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Director, ICAR-DWR

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