

Additionally, interested candidates may send their applications in the prescribed format duly nominated / forwarded by the competent authority to the correspondence address given below.

LOCATION AND CLIMATE

Ludhiana, in Punjab, is a vibrant city known for its industrial growth, educational institutions, and rich cultural heritage. The city is well-connected by rail, and road, making it easily accessible from various parts of India. Participants traveling by train or bus should alight at Ludhiana or Ludhiana Junction railway station, or the Ludhiana bus stand, from where taxis or auto-rickshaws can be hired to reach the guest house at ICAR-CIPHET Campus, located behind Radha Soami Satsang Ghar, Opposite Pratap Singh Wala, Humbran Road, Ludhiana. The guest house is approximately 10 km from the main bus stand and about 9 km from Ludhiana Railway Station. The average daytime temperature in Ludhiana during March is 30°C and the average night time temperature is 15°C.

IMPORTANT DATES

1. Last date for receipt of application: 30-01-2025
2. Intimation of selection of participants: 05-02-2025



ICAR-IIMR



ICAR-CIPHET

All correspondence should be addressed to

Dr. Bhupender Kumar

Email Id: bhupender.iimr@yahoo.com Mob: 8510819004

ICAR-Indian Institute of Maize Research,
Ludhiana- 141008, Punjab
Web: <https://iimr.icar.gov.in/>

Registration form

APPLICATION FORM FOR PARTICIPATION IN WINTER SCHOOL

Organizing Institute: ICAR-IIMR & ICAR-CIPHET, Ludhiana

1. Full name (In block letters) :
2. Designation :
3. Present employer and address :
4. Address to which reply should be sent :
 - a. Postal address with PIN :
 - b. Phone/ Mobile No. :
 - c. Fax No. :
 - d. E-mail :
5. Permanent address :
6. Date of Birth :
7. Sex (Male/Female) :
8. Marital status (Married/Unmarried) :
9. Teaching/research/professional experience (mention post held during last 5 years and number of publication) :
10. Field of specialization and current area of research/ teaching :
11. Mention if you have participated in any Research seminar, Summer/Winter School/Short Course, etc. during the previous years under ICAR/Other organization :
12. Postal order No. datedof Rs 50/- (non-refundable) in favour of ICAR-IIMR, Ludhiana for registration of application :
13. Academic record:

Degree	Subjects	Year of passing	Class ranks, distinction etc	University/ Institution	Other information
Ph.D.					
Post Graduation					
Graduation					

Date and Place

Signature of the applicant

14. Recommendation of the Head of the department/Institute

Signature & Seal

Certificate

It is certified that the information has been verified from the office record and is found correct.

Signature and designation of Sponsoring Authority

Date :

WINTER SCHOOL

on

Climate Smart Maize Agriculture for Food and Energy Security in India

5th to 25th March 2025



Course Directors

Dr. H.S. Jat, Director, ICAR-IIMR, Ludhiana
Dr. N. Kotwaliwale, Director, ICAR-CIPHET, Ludhiana

Coordinators

Dr. Bhupender Kumar, Sr. Scientist, ICAR- IIMR
Dr. Shankar Lal Jat, Sr. Scientist, ICAR- IIMR
Dr. Ph. Romen Sharma, Scientist, ICAR- IIMR
Dr. Mamta Gupta, Scientist, ICAR- IIMR
Dr. Manju Bala, Pr. Scientist, ICAR-CIPHET
Dr. Deepika Goswami, Sr. Scientist, ICAR-CIPHET

Sponsored by

Agricultural Education Division
Indian Council of Agricultural Research
New Delhi-110 012



Jointly Organized by

ICAR-Indian Institute of Maize Research & ICAR-Central Institute of Post Harvest Engineering & Technology
Ludhiana- 141008, Punjab

Background

The climate-smart maize production system has emerged as a critical solution to address the dual challenges of food security and energy security in India. This innovative production system not only conserves essential natural resources such as water, nutrients, energy, and soil but also reduces dependence on oil imports through the blending of maize-based bioethanol into petrol. The Government of India has set an ambitious target of E20 (20% ethanol blending) by 2025-26, where maize is expected to contribute 50% of the total ethanol production. Given that maize is cultivated across multiple seasons (*kharif*, *rabi*, and spring) in diverse agro-ecologies—ranging from rainfed to irrigated systems—there is an urgent need for climate-smart breeding programs, integrated management and post-harvest strategies. These approaches are essential to meet the twin goals of enhancing farmers' profitability and fulfilling biofuel requirements. To achieve this, capacity building for scientists, researchers, and extension specialists within the National Agricultural Research System (NARS) is imperative for effectively out-scaling climate-smart agricultural practices. This will ensure sustainable productivity of maize systems across the country. The role of improved technologies, best management practices (BMPs), and their strategic targeting in various maize-growing ecologies remains pivotal for achieving long-term sustainability and enhancing maize production to support food, fodder, and energy demands in India.

Objectives

1. To promote climate-smart practices for conserving resources and enhancing maize resilience to climate variability.
2. To improve farmer profitability and support the E20 bioethanol target through best pre and post-harvest management practices.
3. To build the capacity of NARS stakeholders for scaling climate-smart maize technologies.

Course content

- Global Overview of climate smart agriculture
- Innovations in plant breeding for development of climate resilient maize cultivars.
- Recent advances in management practices and mechanization approaches of maize under conservation agriculture.
- Integrated insect-pests and diseases management in maize.
- Breeding maize for exploring bio-ethanol recovery and high starch.
- Maize for diverse industrial applications
- Value addition and post harvest management of maize.

Eligibility

The officers in the cadre of Scientists / Assistant Professors / Subject Matter Specialists or equivalent and above from ICAR institutes, SAUs, CAUs, Agricultural faculty of AMU, BHU, Vishwa Bharati and Nagaland University who are actively engaged in research, teaching, and extension related to maize, conservation agriculture, climate-smart agriculture, and other relevant agricultural subjects, are eligible to attend the Winter School.

The total number of participants is limited to 25. For faster processing of selection letters, participants are requested to apply online through the ICAR CBP portal and provide a valid email ID and FAX number.

Duration of the winter school

Duration of the Winter School is 21 days with effect from 5th March- 25th March 2025 (both days inclusive). The participants are expected to arrive at the Guest House, ICAR-CIPHET, Ludhiana latest by the evening of 4th March and can leave after 17:00 hrs on 25th March 2025.

Boarding, lodging and TA

Selected participants will receive free boarding and lodging at the ICAR-CIPHET, Ludhiana guest house. Food expenses will be covered by the organizers as per ICAR norms. Participants will be reimbursed for to and fro travel fare to Ludhiana by rail or bus via the shortest route. The reimbursement will be made based on the entitled class of travel, but restricted to a maximum of AC-II tier train fare/bus fare (actual expenses). Local participants are not eligible for boarding and lodging, but will receive lunch and inter-session tea. Participants are requested not to bring family members, as the institute has limited hostel facilities. No daily allowance (DA) will be provided to participants.

Application & Registration

Participants are requested to apply online at CBP Portal (<https://cbp.icar.gov.in/>)

A. Create account on CBP Portal, if your account is not created on CBP Portal:

1. Click on 'Create New Account' link on home page.
2. Fill the form.
3. Click on 'Create Account' button. User will get the message 'Successfully created account' after account is created on the CBP Portal.

B. Login on CBP Portal:

1. Enter the 'User Id' and 'Password' in the candidate login window on the home page.
2. Click on 'Login' button.

C. Participate in training programme:

1. After login, click on 'Participate in Training' button/menu, list of trainings will be displayed.
2. Click on 'Training Title - "Climate Smart Maize Agriculture for Food and Energy Security in India"'.
3. Click on 'Apply' link.
4. A form will open with all your personal details filled in. In case, user want to change any of these information then click on 'Edit' button and do the desired changes.
5. Click on 'Save' button to save the information then click on 'Next' button.
6. Fill the 'Academic details' and 'Experience details' information. Click on 'Next' button.
7. Fill 'Draft/Postal' order for Rs. 50/- drawn in favour of ICAR-IIMR, Ludhiana and click on 'Next' button.
8. Advance Application form will be generated in system and click on 'print' link. Submit this print out copy in your office for approval of competent authority. Click on 'Submit' button, advance copy will be submitted to course director.
9. After approval from competent authority, upload the scanned copy of duly approved application form and click on 'Next' button.
10. Click on 'Upload Approved Application File' button to upload signed 'Advance Application form' (Approved Application Form) in pdf/ doc/ jpg/ jpeg/ docx and click on 'Submit' button for final submission.