



ADVANCED TRAINING COURSE ON PEST MANAGEMENT INTERVENTIONS IN CHANGING CLIMATE SCENARIO FOR SUSTAINABLE AGRICULTURE FROM

5th February to 25th February, 2025



Course Director: Dr. Sunita Yadav
Course Coordinators: Dr. Krishna Rolania
Dr. S. S. Yadav
Dr. Dalip Kumar

SPONSORED BY
INDIAN COUNCIL OF AGRICULTURAL RESEARCH, NEW DELHI
ORGANIZED BY
**DEPARTMENT OF ENTOMOLOGY
CCS HARYANA AGRICULTURAL UNIVERSITY
HISAR-125 004 (INDIA)**

Participation & eligibility: Sponsored faculty of the rank of Asst./Assoc. Prof. from SAU/ICAR Institutes is eligible to participate in the training course. Closely related disciplines will also be considered. The status of selected candidates will be made available on the CBP Portal itself. They will also be informed through e-mail.

Location: Hisar is located 165 km from Delhi. Hisar is well connected through buses 24x7 from neighboring states as well as Delhi [Inter State Bus Terminus (ISBT) at Kashmiri Gate]. Trains for Hisar could be taken from Delhi: 12555/Gorakhdham SF Express (Departure from New Delhi at 05:30 Hours); 14731/Kisan Express (Departure from Old Delhi Station at 14:00 Hours); 14085/Sirsa Express (Departure from New Delhi at 17:55 Hours).

Season: Cold weather is expected during the training period. The participants are requested to carry woollens.

How to apply?

The participants' application will be received online using CBP Portal through <https://cbp.icar.gov.in> or under the link Capacity Building Program at <http://icar.org.in> After filling the online application, take a printout of the application and get it approved by the competent authority of the organization. Upload the scanned copy of application through CBP portal. Send the approved hard copy of the application form to the Course Director. The approved application should reach the Course Director latest by 10th January, 2025 by post or E-mail. Boarding and lodging would be provided free by the University as per ICAR norms. **Number of participants:** The maximum number of participants shall not exceed 25.

Important Dates:

Last date for receiving the nomination form : 10th January, 2025
Intimation of selection : 16th January, 2025
Confirmation by participants : 17th January, 2025
Intimation to waitlisted participants, if selected : 18th January, 2025

Registration fee: Non-refundable registration fee of Rs. 1000/- for SAU/ICAR Institution and Rs. 5000/- for Private ICAR accredited Colleges/University applicants to be paid online on the following account:

Account name	HOD Entomology Permanent Account
Account number	96200100001830
Bank name & branch	Bank of Baroda, Haryana Agricultural University, Hisar
IFSC CODE	BARB0DBHAUH (Fifth character is zero)

Travel, Boarding & Lodging: Boarding and lodging would be provided free by the University as per ICAR norms. To and fro rail fare as per entitlement subject to maximum of AC-III Tier or bus fare by the shortest route to the selected candidates **on production of actual tickets will be reimbursed.** Taxi travel charges are not admissible. Food and accommodation will be provided by the organizers. No DA is admissible to the participants. The local participants are not eligible for boarding and lodging; however, working lunch and refreshments will be provided.

Please make all correspondence and general enquiries to:

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Background

Global warming and extreme weather events are of great concern to agriculture worldwide. Climate parameters such as increased temperatures, rising CO₂ concentration, changing precipitation patterns and intense and frequent heat waves could be the major challenge for sustainable agriculture in the coming years. A change in climate scenario is expected to have significant impacts on the phenology, distribution and abundance of many arthropod species over the next few decades. Secondary pests may become the primary pests and thus, under such situations management practices are likely to vary. They can result in an expansion of their geographic distribution, increased survival during overwintering, community composition altered synchrony between plants and pests, increased number of generations, altered interspecific interaction, increased risk of invasion by migratory pests, extinction of species, increased incidence of plant diseases and decrease effectiveness of biological control agents. Pest outbreaks are occurring more frequently, particularly during extended periods of drought, followed by heavy rainfall. Spatial shifts in distribution of crops under changing climatic conditions will also influence the distribution of insect pests in a geographical region and will alter host-parasite interactions and thus will require new integrated pest management strategies. Consequently, there is a serious risk of economic losses, as well as a challenge to food security. Changing Climate Scenario will require adaptive management strategies to deal with the changing status of pests and sustainable agriculture. These include modified integrated pest management tactics, use of modelling prediction tools and monitoring climate and pest populations. Therefore, the proposed CAFT training entitled as "Pest Management Interventions in Changing Climate Scenario for Sustainable Agriculture" will be helpful to mitigate the pesticide residue in food commodity, pest resistance, resurgence, human health hazards and environmental pollution. It is expected that during this training course there will be useful deliberations which would help in developing better understanding among the participants to address these issues.

Objectives

- To impart advance scientific knowledge in the field of Entomology
- To provide an opportunity to discuss and exchange ideas with experts in the field of Entomology

Course outline

- Impact of climate change on Arthropod diversity
- Climate change impact on crop pests and pest management adaptations thereof Environmental impact of pesticides on agriculture and human health
- Pest management paradigm in modern era of agriculture
- Enemies and diseases of honey bee and their management
- Insect-pests management interventions in vegetable crops for sustainable production
- Management strategies of sucking insects in cotton crop under changing climatic scenario
- Role of transgenic plants for the management of crop pests
- Pestiferous species distribution in agroecosystem under climate change adaptations and strategies to manage them
- Role of RNA interference in pests management
- Preparation of fruit fly trap and their implications
- Potential impact of climate change on biological control agents in agro ecosystem
- Importance of surveillance and monitoring in pest risk analysis
- Fate of pesticide residues in agricultural produce and its management
- Hands on training in identification and culturing of various natural enemies.

Application Form for participation in Advanced Course

(To be sent to Course Director of Advance training course)

ICAR sponsored 21-days Advanced Training Course on "Pest Management Interventions in Changing Climate Scenario for Sustainable Agriculture" will be held during from 5th to 25th February, 2025, in the Department of Entomology, CCS Haryana Agricultural University, Hisar

1.	Full Name (in block letters)	:	
2.	Designation	:	
3.	Name of the Department	:	
4.	Name of the Inst./Univ.	:	
5.	Date of joining	:	
6.	Date of birth	:	
7.	Address for correspondence	:	
8.	Telephone/Mobile No./ Fax	:	
9.	E-mail	:	
10.	Teaching/Research/Professional Experience	:	

11. Educational Qualifications

Examination	Year of passing	Institute/University	Subject	Any distinction
Bachelor's degree				
Master's degree				
Ph.D.				
Other certificates, Diplomas etc.				

12. Mention details if you have participated in Summer or Winter Schools/Short Courses, etc. during the previous five years under ICAR/other organizations:

13. Online Payment Reference no and date

Signature of the applicant

Recommendations of the forwarding Institute

Dr./Shri/Ms..... is hereby nominated for participation in the 21-days Advance training course in Department of Entomology, Chaudhary Charan Singh Haryana Agricultural University, Hisar during 5th February to 25th February, 2025

Signature

Designation & Address

Certificate

It is certified that the information was furnished as per the office record and was found correct.

Signature, Designation, Address and Office Seal of the Sponsoring Authority.