

Application Form
Advanced Training Course On
RECENT ADVANCES IN ECOFRIENDLY MANAGEMENT OF CROP PESTS
(24th January to 13th February, 2024)
CCS Haryana Agricultural University, Hisar-125004

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.	Educational Qualifications	:	

Exam.	Year	University	Any distinction
B.Sc.			
M.Sc.			
Ph.D.			

Signature of applicant

The application of Dr. is hereby recommended for attending the advanced Training Course on '.....

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

Signature.....

Designation.....

Address of sponsoring authority with stamp

.....

Note: If more copies of application are required, the proforma may be reproduced / photocopied / downloaded from our website hau.ac.in



ADVANCED TRAINING COURSE
ON
RECENT ADVANCES IN
ECOFRIENDLY MANAGEMENT OF
CROP PESTS

From:
24th January to 13th February, 2024



SPONSORED BY
INDIAN COUNCIL OF AGRICULTURAL RESEARCH, NEW DELHI

ORGANIZED BY
CENTRE FOR ADVANCED FACULTY TRAINING
DEPARTMENT OF ENTOMOLOGY
CCS HARYANA AGRICULTURAL UNIVERSITY HISAR-125 004 (INDIA)

The ICAR, New Delhi has identified the Department of Entomology, CCS Haryana Agricultural University, Hisar as a **Centre for Advanced Faculty Training (CAFT)**. The CAFT is entrusted with the organization of specialized and advanced training courses for the State Agricultural University teachers/ICAR scientists to update their knowledge and skills. The main objective of training courses conducted under CAFT is Human Resource Development in the discipline of Entomology within the country. This centre is organizing an advanced training course of 21 days on **'Recent Advances in Ecofriendly Management of Crop Pests' from 24th January to 13th February, 2024**. Hopefully, the course would be very useful, interactive and the participants would be greatly benefitted.

Participation & Eligibility: Sponsored faculty working in Entomology at the rank of Asst./ Assoc. Prof. from SAU/ICAR Institutes are eligible to participate in the training course. The status of selected candidates will be made available on the CBP Vortal itself. They will also be informed through e-mail.

Location: Hisar is located 165 km from Delhi. It is connected to Delhi by train as well as bus. The buses (AC as well as Non-AC) ply between New Delhi and Hisar starting from Inter State Bus Terminus, ISBT, Kashmiri Gate at an interval of approximately 1-2 hrs. There are three trains from Delhi viz. Gorrakhdham Express (leaving New Delhi Railway Station at 05.30 AM) and Kisan Express (leaving Old Delhi Railway Station at 02.00 PM) and Sirsa (Haryana) Express (leaving New Delhi Railway Station at 5:55 PM). The railways time table can be verified with respective website.

Season: Mild winter is expected during the training period.

Registration Fee: The registration fee is non-refundable. The registration fee structure is Rs. 1000/- for SAU/ICAR Institute and Rs. 5000/- for private ICAR accredited Colleges/Universities applicants. Applicants have to pay registration fee on the following given account:

Account Name:	HOD Entomology Permanent Advance
Account Number:	96200100001830
Bank Name & Branch	Bank of Baroda, Haryana Agri Univ, Hisar
IFSC Code:	BARBODBHAUH (Fifth Charcter is Zero)

How to apply?

"The participants application will be received online using CBP Vortal through (<http://cbp.icar.gov.in>) through <http://iasri.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 vortal."

Send the approved hard copy of the application form along with the registration fee proof to the Course Director. The approved application should reach the Course Director latest by **30th December, 2023** by post, fax or E-mail. 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.**

Number of participants: The maximum number of participants shall not exceed 25.

Please make all correspondence and general enquiries to:

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The indiscriminate and unilateral use of pesticides was the only plant protection tool during sixties and seventies for sustaining the agricultural production potential of the high yielding varieties under the intensive cropping systems. This has led to several ill-effects like human and animal health hazards, ecological imbalance, development of resistance in the pests to pesticides, resurgence of pests, environmental pollution, destruction of natural enemies (bio-control agents) of pests and increased level of pesticides residues in soil, water & food. Integrated Pest Management (IPM) is an eco-friendly approach which aims at keeping pest population below the economic threshold levels (ETL) by employing all available eco-friendly pest management strategies like physical barriers and traps, cultural practices such as improved sanitation to prevent pests from thriving, biological control methods like use of parasitoids & introduction of natural predators of the pest species, use of genetically modified crops, use of non-toxic or less-toxic pesticides etc. The use of chemical pesticides is advised as a measure of last resort when pest population in the crop crosses economic threshold levels.

IPM reduces the use of chemical pesticides, protects non-target species and preserves biodiversity, thus, results into improved air quality, reduced chemical exposure to humans, farm animals & pets and prevention of chemical contamination of the food sources. Suppression of pest population below economic threshold level is done through the adoption of feasible and affordable good agricultural practices aiming least disturbance to the eco system and environment. In addition, eco-friendly pest management methods may result into long-term cost savings. Therefore, it is important to employ eco-friendly pest management strategies to save crops and protect the human/animal health & environment while promoting economic sustainability. Keeping in view the advantages of ecofriendly pest management practices, the training programme has been proposed to update the participants about the recent advances in eco-friendly pest management approaches which are currently utilized for increasing the crops yield and maintaining the stability of our ecosystem as well. Hopefully, this CAFT training imparted to the entomologists will be highly useful for developing novel eco-friendly pest management techniques focusing on increasing the biodiversity, creating habitat for the natural enemies and reducing the sole reliance on pesticides.

Course outline: The detailed course content is available on the CBP Vortal. However, important topics Include:

- Ecofriendly pest management tactics and their integration in IPM.
- Role of host plant resistance in insect pest management.
- Ecofriendly approaches for the management of polyphagous insect-pests.
- Taxonomy and pest management: New challenges and opportunities.
- Invasion and expansion of exotic whiteflies in India and their ecofriendly management strategies.
- Recent experiences and prepared in the management of the invasive insect pests.
- Ecological engineering: A tool to conserve and augment the natural enemies of insect pests.
- Ecofriendly strategies for the management of insect pests in the major field, fruit, vegetable crops etc.
- Organic formulations and their use in crop protection for quality food production.
- Scenario of insect pest management in natural farming.
- Role of predators & parasitoids for the management of insect pests.
- Role of genetically modified crops/ transgenic plants in the crop protection.
- Ecofriendly approaches for management of weeds and plant parasitic nematodes.
- Ecofriendly techniques for the management of plant parasitic mites.
- Role of microbes in the insect pest management under changing agricultural scenario.
- Biorational insecticides and their role in the insect pest management.
- Diagnosis and management of nematode problems in crops.
- Ecofriendly practices for the management of major pests of *A. mellifera* in India.
- Conservation of pollinators for enhancement of crop productivity.
- Ecofriendly approaches for the management of non-insect pests.
- Ecofriendly management of insect pests under protected cultivation.
- Nanotechnological approaches for the management of crop pests.
- Advanced statistical tools used in entomological research.