APPLICATION FORM FOR ADVANCED TRAINING COURSE ON

"Current Scenario of Pesticide Toxicology and Its Impact on Future Agriculture"

From 3rd to 23rd November, 2022

1.	Full Name(in block letter)	:	
2.	Designation	:	
3.	Name of the Department	:	
4.	Name of the Institute/University	:	
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.

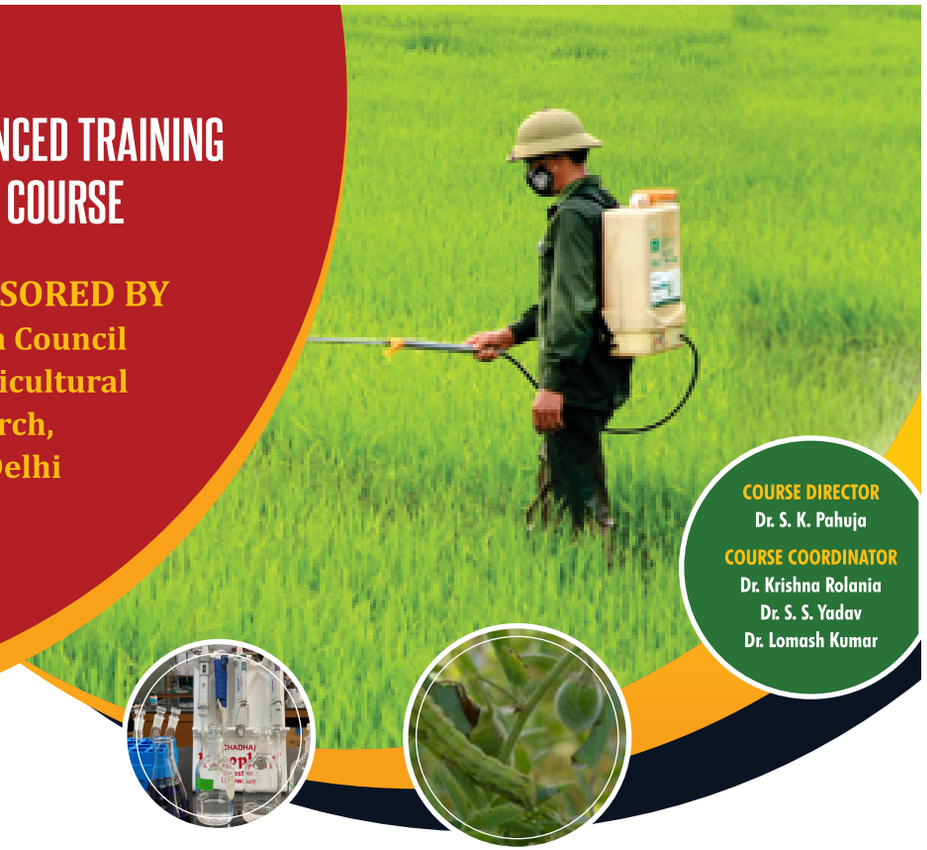
Signature.....
Designation.....

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.ernet.in

ADVANCED TRAINING COURSE

SPONSORED BY
Indian Council of Agricultural Research, New Delhi



COURSE DIRECTOR
Dr. S. K. Pahuja

COURSE COORDINATOR
Dr. Krishna Rolania
Dr. S. S. Yadav
Dr. Lomash Kumar

"CURRENT SCENARIO OF PESTICIDE TOXICOLOGY AND ITS IMPACT ON FUTURE AGRICULTURE"

FROM 3rd TO 23rd NOVEMBER, 2022

ORGANIZED BY

CENTRE OF ADVANCED FACULTY TRAINING
DEPARTMENT OF ENTOMOLOGY
CCS HARYANA AGRICULTUTAL UNIVERSITY
HISAR - 125004 (INDIA)

The ICAR, New Delhi has identified the Department of Entomology, CCSHaryana Agricultural University, Hisar as a Centre of 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 skill, with an objective of Human Resource Development in the discipline of Entomology in the country. This centre is organizing an advanced training course of 21 days on "Current Scenario of Pesticide Toxicology and Its Impact on Future Agriculture" from 3rd to 23rd November, 2022. 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 Asstt./Assoc. Prof. from SAU/ICAR Institutes is eligible to participate in the training course. 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. It is connected to Delhi by train as well as bus. The buses ply between Inter State Bus Terminus, ISBT, Kashmiri Gate, New Delhi and Hisar. There are three trains from Delhi to Hisar viz. Haryana Express (leaving New Delhi Railway Station at 6.20 PM), Gorakhdham express (leaving New Delhi Railway Station at 5.40 AM) and Kisan Express (leaving old Delhi Railway Station at 2.00 PM). The rail ways time table can be verified with respective website of Indian railways.

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 Institutes 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, Hariyana Agri Univ, Hissar
IFSC Code:	BARB0DBHAUH (Fifth chracter is Zero)

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 along with the registation fee proof to the Course Director. The approved application should reach the Course Director latest by 7th October, 2022 by post 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:

Prof. & Head-cum-Director CAFT
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Email: hodentohau@gmail.com

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Course Co-coordinator
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Globally wide spread use of chemical pesticides has revolutionized the agricultural production to prevent or control insect pests, diseases, weeds and other plant pathogens in an effort to eliminate yield losses and maintain high quality products. Although, pesticides are developed through very strict regulation processes to function with reasonable certainty and minimal impact on human health and the environment, serious concerns have been raised about health risks resulting from occupational exposure and from residues in food and drinking water. Occupational exposure to pesticides often occurs in the case of agricultural workers in open fields and greenhouses, workers in the pesticide industry and exterminators of house pests. Exposure of the general population to pesticides occurs primarily through eating food and drinking water contaminated with pesticide residues. Regarding the adverse effects on the environment (water, soil and air contamination from leaching, runoff and spray drift, as well as the detrimental effects on wildlife, fish, plants and other non-target organisms), many of these effects depend on the toxicity of the pesticide, the measures taken during its application, the dosage applied, the adsorption on soil colloids, weather conditions prevailing after application and how long the pesticide persists in the environment. Therefore, the risk assessment of the impact of pesticides either on human health or on the environment is not an easy and particularly accurate process because of differences in the periods and levels of exposure, the types of pesticides used (regarding toxicity and persistence) and the environmental characteristics of the areas where pesticides are usually applied. But there is growing concerned about environmental contamination in human health risk and ability of pest to develop resistance and resurgence against pesticides. Therefore, the proposed CAFT training entitled as "Current Scenario of Pesticide Toxicology and Its Impact on Future Agriculture" will be helpful to mitigate the pest resistance, resurgence, human health hazards and environmental pollution and alsoit 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.

Course Outline: The detailed course content is available on the CBP portal. However, important topics include:

- Pest and pesticide management in agriculture: Challenges and future prospects
- Pesticide toxicology: A need or threat to agriculture and its ecosystem
- Environmental impact of pesticides on agriculture and human health
- Neonicotinoids and Pollinators : A Fact file
- Use of Probit Analysis for toxicological studies
- Recent trends in pesticide formulation technology
- Insecticides for pest management and its implication for pest resistance
- Application of Agro-meteorological models in Entomology
- Use of drone technology in modern Agriculture
- Techniques in pesticide residue analysis and fixation of MRL values viz a viz pesticides
- Hands on training on pesticide residue estimation through GLC/GCMSMS/HPLC
- Phytotoxicity: An overview of physiological responses of plants exposed to pesticides
- Current status of nanotechnology for insect pest management
- Nano formulation of pesticides: A new era in plant protection
- Pesticide toxicity in relation to natural enemies and alternative approaches to minimize the harmful effect of pesticides for sustainable agriculture