



NAVSARI AGRICULTURAL UNIVERSITY

February 25-26, 2019

# National Workshop on “Pesticide Residue: Management and Techniques for Food Safety and Security”



## SPONSORED BY

National Agricultural Higher Education Project (NAHEP)

## ORGANIZED BY

Centre for Advanced Agricultural Science and Technology (CAAST)  
Navsari Agricultural University  
Navsari-Gujarat (INDIA)  
[www.nau.in](http://www.nau.in)

## WORKSHOP SECRETARIAT

Food Quality Testing Laboratory, N.M. College of Agriculture  
Navsari Agricultural University-Navsari

## VENUE

AUDITORIUM, NAU, Navsari (Gujarat)-396450

## NAHEP-CAAST

Centres for Advanced Agricultural Science and Technology (CAAST) is a new initiative and student centric Sub-Component of World Bank sponsored National Agricultural Higher Education Project (NAHEP) implemented by the Education Division, Indian Council of Agricultural Research, New Delhi. Navsari Agricultural University is one the SAUs selected for implementing a CAAST project entitled “**Establishment of Secondary Agriculture Unit for Skill Development in Students and Farmers at NAU, Navsari**” in which Pesticide Residue Analysis is one of the thrust areas.

## BACKGROUND

The Green Revolution in 1960s, heralded a new era for Agriculture in India by focusing on development of high yielding varieties, increased use of fertilizers and plant protection chemicals, crop diversification, mechanization and new irrigation systems. The Green Revolution succeeded in increasing production and productivity of food grains, reducing our dependence on imports and increasing employment in rural areas. Pesticides played a pivotal role to boost crop production. However, indiscriminate and uncontrolled uses of pesticides have contaminated the soil, water and vegetation. Frequent detection of toxic pesticide residues in food commodities is one of the major side effects of over reliance on pesticides. Globalization of the food chain means that consumers and farmers who supply them may reside in different regions separated by great distances and political boundaries. This brings up the question of how the entry of pesticide residues in food and the food-chain can be regulated at national and international level. Thus, the contemporary generation is facing the daunting task of increasing the food production *vis-a-vis* arresting the problem of toxic residues in food. Advances in technologies such as computational chemistry, automated high through put biological screens, crop genetics, biotechnology, formulations, precision agriculture and nanotechnology have offered novel tools in the discovery of “safer” pesticides with new modes of action. Pesticide residue analysis from various matrices always has been a challenging affair due to huge involvement of infrastructure, state of art technologies to quantify the traces of sub-ppm or even sub-ppq level with higher degree of confidence as well as skilled manpower. It is with this background, that a workshop entitled “Pesticide Residue: Management and Techniques for Food Safety and Security” has been planned by Navsari Agricultural University which will provide a platform for reviewing scientific advancements and new frontiers in the field of pesticide residue chemistry. Senior analysts and policymakers can share their experiences and ideas which will benefit and enlighten the thought process and understanding of participants *viz.* PG students of different faculties, disciplines, faculty members and researchers.

## THEMES

- ✓ Impact of pesticides on environment, plant and trade under national and international regulations
- ✓ Modulation in pesticide based plant protection techniques to mitigate the challenges of toxic residues in raw and processed food
- ✓ Status of pesticide residues in food and environmental matrices
- ✓ Impact of processing techniques on pesticide residues in food
- ✓ Fate of pesticide in environmental matrices
- ✓ Advances in preparative and quantitative approaches in pesticide residue analysis from food and other matrices

## KEYNOTE LECTURES

Eminent researchers/scholars/academicians/subject matter specialists from public and private sector will be invited to deliver key note address on topics related to various aspects of the Workshop.

## SPECIAL SESSION FOR PG STUDENTS

There will be a special session for PG students wherein selected students shall make oral and poster presentations under respective themes of the Workshop. Post graduate students are invited to submit abstracts which would be peer reviewed and presented as oral/poster papers. Each participating PG student can submit at the most two abstracts and each abstract can have at the most four co-authors.

## ABSTRACT GUIDELINES

The abstracts based on research/review/policy paper may be submitted through E-mail formatted on MS Word, in 1 line spacing, font size 12, with 4 cm left and 2.5 cm right, top and bottom margins along with the Registration Form to [caastnauworkshop@gmail.com](mailto:caastnauworkshop@gmail.com) up to 18<sup>th</sup> February, 2019. The abstract not exceeding 250 words should have the title (capital and bold font size 13) followed by the name of the author(s) and correspondence address which include an active E-mail and Contact No. There should not be any sub-headings, figures, tables or references in the abstract. All accepted abstracts will be published in the souvenir.

## IMPORTANT DATES

Last date for registration and submitting abstracts : 18/02/2019

Last date for intimation to selected candidates : 20/02/2019

## WHO CAN PARTICIPATE

The Workshop is open to Scientists/Teachers/Professionals of SAUs/ICAR Institutes of India through proper channel. Postgraduate students of SAUs and ICAR Institutes can also participate in the Workshop provided they submit abstract. There are limited seats available for this workshop and registration is mandatory. Therefore, early registration is encouraged.

## REGISTRATION FEE

There is no registration fee for the Workshop. Post graduate students would have to furnish a copy of their University/College ID at the time of registration or a certificate from their Dean/Registrar indicating their enrollment in the respective university.

## ABOUT NAVSARI

Navsari is a district place in the South of Gujarat easily approachable by road, rail and air from all major cities of India. It is just 38 km from Surat, a major industrial city by road and rail. NAU campus is 3 km from Navsari Railway Station and 8 km from National Highway No - 8. The nearest airport is Surat which is 40 km to the North of Navsari. The 400 km long Salt March taken up by Mahatma Gandhi in 1930 culminated at Dandi a coastal village 13 km to the West of Navsari. During February, the weather in Navsari is slightly warm and pleasant. Navsari is well known for its Kesar mangoes and Kalipatti chikoos.

## ACCOMMODATION

Accommodation in Hotels and Guest Houses will be made available on request and on payment basis. Accommodation shall be reserved on first come first served basis after prior request. The tariff of hotels in Navsari and Surat ranges from Rs. 2000 to Rs. 7500. Please confirm your participation and itinerary by sending E-mail to [caastnauworkshop@gmail.com](mailto:caastnauworkshop@gmail.com)

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NMCA, NAU, Navsari

**Dr. T. R. Ahlawat**

Nodal Officer and Principal Investigator  
NAHEP-CAAST, NAU, Navsari

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## ADDRESS FOR CORRESPONDENCE

**Professor & Head**

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**Contact No. :** 9898106227, 9998286581, 9825992766

**National Workshop on**

**“PESTICIDE RESIDUE: MANAGEMENT AND  
TECHNIQUES FOR FOOD SAFETY AND SECURITY”**

**February 25-26, 2019**

**REGISTRATION FORM**

Name (Capital letters): \_\_\_\_\_

Designation: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Pin code: \_\_\_\_\_

Contact No.(O) \_\_\_\_\_ (Mo.) \_\_\_\_\_ E-mail: \_\_\_\_\_

Title of Oral/Poster Presentation: \_\_\_\_\_  
\_\_\_\_\_

Thematic area: \_\_\_\_\_

Please indicate your Primary Area of Interest: \_\_\_\_\_

Accommodation required: Yes/No \_\_\_\_\_

Date:

Place:

Signature

Note: Scanned copy of the registration form may be mailed in advance to  
[caastnauworkshop@gmail.com](mailto:caastnauworkshop@gmail.com)



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