

## ADDRESS FOR CORRESPONDANCE

### CAAST Secretariat, Directorate of Research

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### ORGANIZERS

#### TRAINING DIRECTOR:

**Dr. S. R. Chaudhary**

Director of Research and Dean PG Studies, NAU, Navsari

#### TRAINING CO-DIRECTOR:

**Dr. T. R. Ahlawat**

Principal Investigator and Nodal Officer

NAHEP-CAAST sub project, NAU, Navsari.

#### TRAINING CO-ORDINATORS:

**Dr. K. G. Patel**

Prof. & Head and Co-PI, CAAST-NAU, FQTL, NMCA, Navsari

**Dr. Susheel Singh**

Assist. Prof. (Res. Chem.) and Co-PI, CAAST-NAU, NMCA, Navsari

**Dr. Vipul B. Parekh**

Assist. Prof. (Biotech.) and Co-PI, CAAST-NAU, CoF, NAU, Navsari

#### LOCAL ORGANIZING COMMITTEE:

**Dr. V. M. Thumar**, PP-Procurement, CAAST-NAU, NAU, Navsari

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**Dr. Swati Gupta**, Co-PI, CAAST-NAU, LPT, VCVS & AH, Navsari

**Dr. Shailendra Vijol**, PP-ES, CAAST-NAU, CoF, Navsari

**Mr. Kuldeep S. Choudhary**, Nodal Officer-GRM (NAHEP-NAU), Navsari



NAHEP



## Training Programme on

### “Sample Processing Techniques in Pesticide Residue Analysis”

October 14-16, 2019

\*Affix Self Attested  
Recent Passport size  
Photograph

## REGISTRATION FORM

Full Name (In Block letters) \_\_\_\_\_

Father Name: \_\_\_\_\_

Date of Birth: / / (DD/MM/YYYY)

Gender: Male/Female

Social Category: (✓) (General  / OBC  / SC  / ST  )

#### Application Category: (✓)

Selected CAAST PG Student

Currently enrolled NAU-PG students

Former PG students of NAU  and SAUs

\*Educational Qualification (attach proof): \_\_\_\_\_

\*CGPA in Graduation: .....

\*CGPA in Post-Graduation: .....

#### Communication Address

Current: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Pin code: \_\_\_\_\_

Permanent address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Pincode: \_\_\_\_\_

Contact No: (Mo.) \_\_\_\_\_

E-mail: \_\_\_\_\_

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

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

Date: \_\_\_\_\_

Place: \_\_\_\_\_

Signature of the Applicant

**Note** : Scanned copy of the registration form may be mailed in advance to  
skillnaucaast@gmail.com

\*Mandatory field & attach proof



NAHEP



ICAR NAHEP Sponsored

Training Programme  
on

## “Sample Processing Techniques in Pesticide Residue Analysis”

October 14-16, 2019



#### :: ORGANIZED BY ::

Centre for Advanced Agricultural Science and Technology (CAAST):  
Secondary Agriculture  
Directorate of Research  
Navsari Agricultural University  
Navsari-Gujarat (INDIA)  
www.nau.in

#### :: Venue ::

Food Quality Testing Laboratory  
N.M. College of Agriculture  
Navsari Agricultural University  
Navsari, Gujarat-396 450

## NAHEP-CAAST

Centre 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 in India. The Navsari Agricultural University, Navsari, Gujarat was granted a CAAST project on "Establishment of Secondary Agriculture Unit for Skill development in Students and Farmers".

## BACKGROUND

India's amazing journey from being a food deficient country to a food surplus country is credited to the adoption of "grow more concept based technologies such as improved high yielding varieties, chemical inputs *etc.* along with institutional interventions like price regulation and spread of irrigation facilities. A four time boost was recorded in post green revolution era over pre-green revolution era in food production. The agriculture growth was confined between 2.3-3.3 % during the era of agricultural reforms (1975-1995). However, the same momentum could not be sustained in the post-reform period (1995-2005) when a stagnant agricultural growth of 2.31 per cent was recorded which can be attributed to technological fatigue, degradation of productive resources and non-conducive environmental conditions. The slow growth rate in agriculture was aggravated due to depletion and destruction of natural resources and it further declined with the absence of suitable technology, quality assurance, innovativeness and industrial leadership as well as lack of sufficient and efficient facilities to handle the post-harvest issues *viz.*, processing, certification and distribution *etc.*

Stakeholders have now realized that merely focusing on primary agriculture would not revive the agriculture sector. This situation has paved the way to Secondary Agriculture. Secondary Agriculture includes "all practices and process which add value to primary agricultural commodities by using efficient technologies, market information and consumer preference". The stimulus for development of Secondary Agriculture is to fulfill the myriad of food demands of local and global consumers. The increasing awareness of food safety among consumers as well as stringent national and international Sanitary and Phytosanitary Standards has set the alarm bell ringing to the all stakeholders be it be the policy makers or foot soldiers on the ground.

Toxic residues of pesticides and other agricultural and veterinary chemicals in food is one of the prominent food safety

issues in contemporary world. Thus, to market the toxic residue free food is one of prime impetus even in secondary agriculture, if we want to make food production system sustainable and withstand in cut throat completion. Government of India has realized the importance of this issue and has invested handsomely in recent past to establish world class centers for testing the pesticide residues in India. But it has been observed that there is acute shortage of trained manpower in the field of pesticide residue analysis.

Hence, CAAST-NAU is organizing a 3 days training programme on "Sample Processing Techniques in Pesticide Residue Analysis" at NAU, Navsari during October 14-16, 2019.

## OBJECTIVES

To provide insight of classical and advances sample processing approaches for the pesticide residue analysis from food matrices

## COURSE CONTENT

This training will broadly cover diverse topics *viz.*

- Classical approaches of pesticide residue analysis
- Introduction of QuEChERS and QuPPE method
- Analytical approaches for difficult matrices
- Hands on training of pesticide residue analysis from raw and processed food matrices

## DURATION

This is a 3 days residential training program which includes interactive lectures, hands-on training, demonstrations and exposure visits.

## ELIGIBILITY

Postgraduate students from Entomology/Pathology /Soil Sci. & Agril. Chem/Biochemistry/Biotech discipline of Agriculture faculty of Navsari Agricultural University are eligible for this course. The candidate should have scored at least 60% marks in the degree program. There are 30 seats available in this course which will be distributed as under:

- |   |   |    |
|---|---|----|
| A. Currently enrolled PG students of NAU    | : | 15 |
| B. Former PG students of NAU and other SAUs | : | 10 |

If seats remain vacant in category A, they would be filled from category B and vice versa.

- It is mandatory for former students, if employed in public or private sector to submit NOC from their employer at the time of application.

- Selected CAAST PG students interested in attending this training have to submit their application directly at the Nodal Cell.

## REGISTRATION FEES

This training program is sponsored under the NAHEP-CAAST sub-component and therefore the registration fee stands exempted.

## HOW TO APPLY

Interested candidates can register by submitting the duly filled and signed Registration Form along with the NOC through post or by hand in a sealed cover. "Application for Participation in Training programme on "Sample Processing Techniques in Pesticide Residue Analysis" should be mentioned on the cover. Alternatively, the application can also be mailed at [skillnaucaast@gmail.com](mailto:skillnaucaast@gmail.com).

## IMPORTANT DATES

Last date for registration : October 10, 2019

Date for displaying eligibility list: October 11, 2019

## ABOUT INSTITUTE

The Navsari Agricultural University campus is located 3 km away to the West of Navsari City. The Campus houses various graduates and post graduates colleges in faculties of Agriculture / Forestry / Veterinary Sciences / Horticulture/Agribusiness Management. NAU has made remarkable growth in its tripartite activities *i.e.* Education, Research and Extension Education and simultaneously also made tremendous growth in infrastructure and Human Resource Development since its inception. The University has a strong research base through its 25 research stations at 15 different location of South Gujarat. Further, Navsari Agricultural University, Navsari bagged 14<sup>th</sup> position at national level and 1<sup>st</sup> position in Gujarat state in ICAR Ranking for top agricultural universities in India for the year 2018.

## ABOUT NAVSARI

Navsari is a district place in Gujarat and easily approachable by road, rail and air from all major cities of India. It is just 38 km away from Surat, a major industrial corridor connected by road and railways. The 241 miles long Salt March taken up by Mahatma Gandhi in 1930 culminated at Dandi a coastal village, 13 km to the West of Navsari.

## BOARDING AND LODGING

Accommodation in campus premises will be made available on request.