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Navsari

NAHEP



Registration Form for
Training programme on
**“Waste Management in
Fruit Processing Industries”**

November 19-21, 2019

*Affix Self Attested
Recent Passport size
Photograph

Applicant Full Name (In Block letters) : _____

Father's Name: _____

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

Social Category: General / OBC / SC / ST

Gender : Male / Female

Application Category :

- ❖ Selected CAAST PG students :
- ❖ 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: _____

Pin Code: _____

Contact No :(Mo.) +91 _____

E-mail id: _____

Accommodation required : Yes / No

Signature of Major Guide

Date :

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

*Mandatory field & attach proof.

Signature of the Applicant

Place :

NAHEP



ICAR NAHEP Sponsored

**Training programme on
“Waste Management in Fruit
Processing Industries”**

November 19-21, 2019



:: Organized by ::

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

:: Training Secretariat and Venue ::

Department of Post Harvest Technology
ASPEE College of Horticulture and Forestry
Navsari Agricultural University, Navsari

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 at NAU, Navsari".

BACKGROUND

Food processing industry comprised of several thousands of processing units in India and these industries have important sub-sectors in food processing. In the organized sector, there are over 820 flour mills, 418 fish processing units, 6600 fruit/vegetable processing units and 171 meat processing units. These industries generate different food industry wastes *viz.* fermentation industry waste, fruit and vegetable industry waste, sugar and starch industry waste, dairy industry waste, meat processing industry waste, coffee industry waste, palm oil industry waste, fish industry waste *etc.* Among various industries, fruit processing is an important sector in agriculture, the scope of which has increased manifold. The production, processing and preparation of food, all results in generation of huge quantity of waste material causing health hazards due to environmental pollution. The waste material may be in the form of leaf/ straw, waste during harvesting, food preparation waste, after processing waste, unused material as waste, food processing operation waste *etc.* The huge wastage of the food material is due to lack of control on such agri-economy practices. So, the disposal of waste material has become a challenge to the processors, as different agencies are pressurizing for an environment friendly treatment of waste material. The utilization of waste for the production of value added products is very important in the management of food processing waste. So, there is great need to find out options which have positive values of food waste. The waste is composed mainly of seed, skin, rind and pomace, containing good sources of potentially valuable bioactive compounds, such as carotenoids, polyphenols, dietary fibers, vitamins, enzymes, carbohydrates, proteins, fats, minerals *etc.* These phyto-chemicals can be utilized in food industry, for the development of functional or enriched foods, for medicines and pharmaceuticals industries and the textile industry. The use

of waste and their management shall be an important step toward increasing sustainability of the fruit processing industries.

OBJECTIVES

- Hands on training programme on agro waste utilization, value addition and entrepreneurship development amongst PG students
- To increase awareness among PG students regarding new innovative technologies in waste utilization

COURSE CONTENTS

- Utilization of agro waste for the preparation of value added products
- Environment friendly approach for recycling of waste
- Entrepreneurship development through utilization of processing waste
- Practical approach for waste management of fruits and vegetable processing industries

DURATION

This is a 3 days residential training programme which includes interactive lectures, hands-on training, demonstrations and exposure visits of waste management in fruit processing industries.

ELIGIBILITY

Postgraduate students from Horticulture / Agriculture / Forestry / Veterinary Sciences / ABM faculties of SAUs are eligible for this course. The candidate should have scored at least 60% marks in the degree program and attach copies of educational qualification proofs. There are 30 seats available in this course which will be distributed as under:

- A. Currently enrolled PG students of NAU and other SAUs: 20
- 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 through post or by hand in a sealed cover. "Application for Participation in Training programme on Waste Management in Fruit Processing Industries" should be mentioned on the cover. Alternatively, the application can also be mailed at skillnaucaast@gmail.com

IMPORTANCE DATE

- Last date for registration : November 14, 2019 (12.00 noon)
- Date for displaying eligibility list : November 15, 2019

ABOUT NAU

The Navsari Agricultural University campus is located 3 km to the West of Navsari City. The Campus houses various graduates and post graduates colleges in faculties of Agriculture / Forestry / Veterinary Sciences / Horticulture and Agribusiness Management. NAU has made remarkable progress in its tripartite activities *i.e.* Education, Research and Extension Education which was matched with growth in infrastructure and Human Resource Development since its inception. Further, Navsari Agricultural University, Navsari bagged the 14th position at the national level and first position in Gujarat state in the 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 nearest airport is Surat which is 40 km to the North of Navsari. 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 where National Salt Satyagraha Memorial at Dandi is located. During August, the landscape in South Gujarat is lush green with intermittent monsoon showers.

BOARDING and LODGING

Accommodation in campus premises will be made available, if requested on first-come first-served basis.