

## ABOUT NIFTEM

NIFTEM, a Deemed to be University (De-novo Category) under MoFPI, Govt of India, is making efforts to seamlessly blend various facets of the food industries from production to retail, to ensure that all those involved in food production activities reap the maximum possible benefits. It envisages being a focal point for catalyzing the growth of Food Processing Industries. The Institute is offering B. Tech., M. Tech, MBA and Ph.D. degree programmes in Food Technology and Management and at the same time, taking up initiatives for research and extension activities. A unique flavor of the curriculum is the blend of technology and management, which is reflected in the undergraduate and postgraduate programmes of NIFTEM.

## ABOUT THE DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY

The Department of Food Science and Technology was established in year 2012 with an aim to promote innovation in food sectors and catalyses the growth of food processing industries in India in global context. Apart from imparting world class education in the field of Food Science and Technology, the department has research programmes in frontline areas of Food Science and Technology. It also aims to assist the government in policy making on food processing as well as analysing regulations and standards and proposing/ updating changes. The Department is equipped with modern infrastructure, laboratories, and well qualified resource personnel.



## 5-DAYS online AICTE Training and Learning Faculty Development Programme (ATAL-FDP)

On

## “Novel Technological Approaches for Utilization of Food Industry Waste”

(September 13-17, 2021)

*Organized by*

### Department of Food Science & Technology National Institute of Food Technology Entrepreneurship and Management

(Deemed to be University, Under MoFPI, Govt. of India)

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## About the FDP

Food wastage ranging from food industries to our kitchen is not only the loss of the nutrients but also pose a serious threat to the environment as well. When on one hand we are having a large population who is starving for food or suffering from malnutrition in our country, we can not bear such loss of nutrients. To address this problem, the technological interventions are required to utilize the food industry waste wisely for developing new products or to recover the valuables out of waste. Keeping this objective in mind the present faculty development programme has been planned to discuss various technological options for food waste utilization.

## Who can participate?

The faculty members of the AICTE approved institutions, Research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/Technicians/Participants from Industry etc.)/School Teachers and staff of host institutions.

## How to register?

Maximum 200 participants will be allowed to register for the FDP. Registration will be on first come first serve basis. No registration fee will be charged from the participant. For registration, use the URL

<https://atalacademy.aicte-india.org/signup>

**The last date for registration is September 10, 2021**

## Online FDP methodology

All the sessions of the FDP will be conducted through the CISCO WEBEX platform. All the participants are required to have a smartphone/ computer with good internet connection to attend the sessions.

## Test and participation certificate

An online test will be conducted at the end of the programme. The certificates will be issued to those participants who attended the programme with minimum 80% attendance and have secured minimum 60% marks in the test.

## Content for the Faculty Development Programme

	Session-1	Session-2	Session-3
Day-1	Overview of food industry waste and challenges in valorization	Development of food packaging from food waste	Valorization of fruits and vegetable industry waste and by products
Day-2	Extraction of bioactive compounds from food waste	Production of biopolymers utilizing food waste	Utilization of cooked food waste/ leftover food
Day-3	Stress management/ life style improvement through food	Utilization of spent grain from brewing industry	Effective utilization techniques for dairy industry waste
Day-4	Valorization of Waste using Fermentation Processes and Enzyme Treatments	Technological intervention for meat industry waste utilization	Techniques for fish industry waste valorization
Day-5	Nano-technological intervention for utilization of food and agriculture waste	Production of bio-fuels from food industry waste	Feedback, assessment and valedictory session

## Organizing committee

**Chief Patron** : Dr. Chindi Vasudevappa, Vice Chancellor, NIFTEM

**Patron** : Dr. J.S. Rana, Registrar, NIFTEM

**Advisors** : Dr. Ashutosh Upadhyay, Dean Academic, NIFTEM  
Dr. Sunil Pareek, Director, IQAC, NIFTEM

Dr. Komal Chauhan, Head-FST Department, NIFTEM

**Coordinator** : Dr. Anurag Singh, Assistant Professor, NIFTEM

## Contact details

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## Schedule of the Faculty Development Programme

		<b>Session-1</b> <b>(10:00 AM-12:00 PM)</b>	<b>Session-2</b> <b>(12:00 PM- 02:00 PM)</b>	<b>Session-3</b> <b>(03:00 PM-05:00 PM)</b>
<b>Day-1</b> <b>(13.09.21)</b>	<b>9:30 -</b> <b>10:00 AM</b> <b>Inaugural</b>	Overview of food industry waste and challenges in valorization - <b>Prof. Ashutosh Upadhyay, NIFTEM, Sonipat</b>	Development of food packaging from food waste – <b>Prof. Shishir Sinha, Director, KNIT Sultanpur</b>	Valorization of fruits and vegetable industry waste and by products- <b>Dr. O P Chauhan, Head, FVT Division, DFRL</b>
<b>Day-2</b> <b>(14.09.2021)</b>		Extraction of bioactive compounds from food waste- <b>Prof. KSMS Raghavrao, IIT- Tirupati</b>	Production of biopolymers utilizing food waste- <b>Prof. Vimal Katiyar, Dean, Research and Development, IIT-Guwahati</b>	Utilization of cooked food waste/ leftover food- <b>Dr. Sharad Kale, Senior Professor and Head, Nuclear Agriculture and Biotechnology Division, Homi Bhabha National Institute, BARC</b>
<b>Day-3</b> <b>(15.09.2021)</b>		Stress management/ life style improvement – <b>Sh. Ravi Kumar, Founder, Bharat Tech Enabler Forum</b>	Utilization of food industry waste in bioremediation and product formulation - <b>Prof. Anushree Malik, Head, CRDT, IIT-Delhi</b>	Effective utilization techniques for dairy industry waste – <b>Dr. A. K. Singh, Principal Scientist, Dairy Technology Division, ICAR-NDRI, Karnal</b>
<b>Day-4</b> <b>(16.09.2021)</b>		Utilization of spent grain from brewing industry – <b>Mr. S. P. Singh, Associate Vice President, Praj Ind. Limited</b>	Technological intervention for meat industry waste utilization- <b>Dr. Suresh Devatkal, Principal Scientist, NRCM, Hyderabad</b>	Techniques for fish industry waste valorization- <b>Dr. A.A. Zynudheen, Head-Quality assurance and management division, CIFT, Kochi</b>
<b>Day-5</b> <b>(17.09.2021)</b>		Nano-technological intervention for food processing- <b>Dr. C Anandharamakrishnan. Director, IIFPT, Tanjavur</b>	Production of bio-fuels from food industry waste - <b>Dr. Sachin Kumar, Deputy Director, S.S.S. National Institute of Renewable Energy, Kapurthala</b>	Feedback, assessment and valedictory session