

INTERNATIONAL ONLINE FACULTY DEVELOPMENT PROGRAMME

ON

“GREEN PERSPECTIVES IN FOOD PROCESSING SECTORS”

(October 5th – 21st, 2020)



Organized by
DEPARTMENT OF FOOD ENGINEERING
&
DEPARTMENT OF FOOD SCIENCE & TECHNOLOGY

NATIONAL INSTITUTE OF FOOD TECHNOLOGY ENTREPRENEURSHIP AND MANAGEMENT

Deemed to be University (De-novo Category) under Section 3 of the UGC Act, 1956
An Autonomous Institution under Ministry of Food Processing Industries, Government of India
Plot No. 97, Sector 56, HSIIDC Industrial Estate, Kundli, District- Sonapat, Haryana India

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 ENGINEERING

Department of Food Engineering was established in the year 2012 as one of the prime departments of NIFTEM. The main objective of the department is to create trained and skilled human resources to cater to the needs of rapidly growing Food Processing Sector. The department offers M. Tech. in Food Process Engineering and Management (FPEM) and Ph.D. program exclusively, apart from various courses in B.Tech (FTM) and training programs with optimal mix of inputs and on Food Technology/ Engineering, Management and Entrepreneurship. Department is having several ongoing research projects especially in the area of novel food processing.

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.

OBJECTIVES OF THE PROGRAMME

Faculty Development Programme (FDP) specifically designed for faculty members aims at developing the pedagogical and updating research/ teaching skills of the participants. All sessions are scheduled to be conducted using on-line platform. It also aims at to provide a forum to exchange views, ideas and to learn latest sustainable innovations in the field of Food Processing and to offer learning on emerging trends and challenge in greening of food sectors and improvement in faculty's ability in carrying out teaching, research, and consultancy in the area of food processing technology.

THEME OF FACULTY DEVELOPMENT PROGRAM

The departments aim at creating conducive interdisciplinary environment for developing high quality insight supportive of the NIFTEM's mission. Departments also carry out R & D in frontier areas, develop world class technologies and assist the government in policy making in food processing sectors. This Online Faculty Development Programme has been proposed under the theme of **Green Perspectives in Food Processing Sectors**. Greening of food sector is crucial for green manufacturing process in term of waste reduction, energy saving and sustainability packaging and manufacturing. The course is designed to develop insight and inculcate innovative techniques of food processing to ensure the food quality and safety of food products. This will provide a platform for Academicians and Scientists in all conceivable way so that they can feel self-confident and assured while delivering in their teaching and research journey. Details of the major subthemes of the FDP are-

- Green technologies in food production: organic farming; food transportation issues and reducing carbon foot prints.
- Post-harvest management and value addition for sustainable value chains
- Food safety for quality assurance
- Green and eco-friendly techniques for active packaging
- Bio technological approaches for sustainable food production
- Life cycle analysis of food from plant origin.
- Green technologies in food dehydrators
- Non thermal processing technologies
- Green separation technologies-Supercritical CO₂ fluid extraction
- Fallacy of bio-based material and biodegradability.
- Waste management and valorization of byproducts

WHO CAN PARTICIPATE?

- The Faculty Development Programme (FDP)-2020 is open for designated scientists, faculty members not below the rank of an Assistant Professor of Academic /Research Institutions OR a designated officials not below the rank of an Assistant Manager of Food Industry and Agribusiness Professionals.
- Limited seats are available on First-Cum-First basis.
- The candidates need to upload scanned copy of Recommendation/Consent from Head of the concerned Department/ Institute/ Organization of the candidate.
- Eligible backgrounds- Food Science and Technology/ Food Engineering/ Agricultural Process Engineering and Allied Sciences
- The applications/ registration forms will be scrutinized by Organizing Committee for eligibility of the candidates.

HOW TO APPLY

- Interested applicants need to apply online by clicking link below:

<https://forms.gle/xyxhq6MH6pgAYXpcA>

REGISTRATION FEE PAYMENT LINK

- Please ensure that you satisfy the eligibility criteria for NIFTEM's FDP-2020 Program before paying registration fees (NON-REFUNDABLE). No communication regarding this will be entertained post registration. Candidates need to upload the copy of transaction/ payment slip in the space provided during registration.

- Direction for payment can be followed as given in link below <https://tinyurl.com/yxz8doho>
- Participants have to register themselves paying registration fees of Rs. 700/- through online payment mode using State Bank of India's SB Collect. Payment Link for SB Collect is given below <https://www.onlinesbi.com/sbcollect/icollecthome.htm>

KEYNOTE SPEAKERS



Dr. Chindi Vasudevappa
Hon'ble Vice Chancellor,
NIFTEM, Sonapat,
India.



Dr. R. K. Khandal
Professor,
President, R&D, India Glycols Ltd,
Noida and Former Vice Chancellor
APJAKTU, Lucknow, India.



Dr. Sudhir Sastry
Professor,
Food, Agriculture and Biological
Engg., Ohio State University, US.



Dr. Navin Kumar Rastogi
Chief Scientist
Central Food Technological Research
Institute (CFTRI), Mysuru, India.



Dr. H. N. Mishra
Professor,
Agricultural & Food Engg.,
IIT Kharagpur, India.



Dr. Keshavan Niranjana
Professor,
Food and Bioprocessing,
University of Reading, UK.



Dr. Venkatesh Meda
Professor,
Chemical and Biological Engineering,
University of Saskatchewan, Canada.



Mr. Ashok Anand,
Managing Director,
Gopi Dehydrator,
Kundli-Sonepat, India.

ORGANIZING COMMITTEE

Chief Patron	Dr. Chindi Vasudevappa , Hon'ble Vice Chancellor, NIFTEM
Patron	Dr. J.S. Rana , Registrar, NIFTEM
Coordinators	Dr. Anupama Singh , Professor & Head, FE Dr. Komal Chauhan , Asso. Professor & Head, FST
Co-coordinators	Dr. P. K. Nema , Professor (FE) Dr. Rakhi Singh , Asst. Professor (FST) Er. Pramod K. Prabhakar , Asst. Professor (FST) Er. Vijay S. Sharanagat , Asst. Professor (FE)

ORGANISING COMMITTEE MEMBERS

Dr. Vinkel K. Arora , Asst. Professor (FE)	Dr. Ashutosh Upadhyay , Professor (FST)
Dr. Barjindar Pal Kaur , Asst. Professor (FE)	Dr. Rajni Chopra , Asso. Professor (FST)
Er. Thanga Lakshmi S. , Asst. Professor (FE)	Dr. Anurag Singh , Asst. Professor (FST)
Er. Nitin Kumar , Asst. Professor (FE)	Dr. Prarabdh Badgujar , Asst. Professor (FST)
Er. Anand Kishore , Asst. Professor (FE)	Dr. Ankur Ojha , Asst. Professor (FST)
Er. Arun Sharma , Asst. Professor (FE)	Dr. Murlidhar Meghwal , Asst. Professor (FST)
Er. Kumar Rahul , Asst. Professor and In-Charge (IT)	Dr. Tanya L. Swer , Asst. Professor (FST)
Dr. Rahul S. Mor , Asst. Professor (FE)	Dr. Shumaila Jan , Asst. Professor (FST)
Dr. Shruti Shukla , DBT-Ramalingam Fellow (FST)	Dr. Syed Mansha R. , Asst. Professor (FST)

TECHNICAL SUPPORT TEAM

Er. Mayank Nigam , Foreman, Pilot Plant	Er. Onkar A. Babar , Foreman, Pilot Plant
Sh. Naveen Roza , Lab In-charge, (FE)	Sh. Jaishankar Prasad , Lab Technician, (FST)
Sh. Narendra Sinhmar , Lab In-charge, (FE Workshop)	Sh. Vinod Rawat , Account Dept. representative
Sh. Amarchand , Lab Technician (FE)	Mr. Manish Sharma , DEO, FST
Sh. Ashok Kumar , Lab Technician (FE Workshop)	Mr. Vijay Kumar Dhankar , DEO, FE

**Department of Food Engineering
&
Department of Food Science and Technology**

**NATIONAL INSTITUTE OF FOOD TECHNOLOGY
ENTREPRENEURSHIP AND MANAGEMENT (NIFTEM)**

LAST DATE OF RECEIVING APPLICATIONS

The candidates are required to register on or before **October 3rd, 2020, by 5 pm**. Registration link is also available at NIFTEM's Website. Candidates are requested to check website regularly during FDP-2020 for updates.

FOR ANY QUERY

E-mail : fdp2020.niftem@gmail.com
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Website : http://www.niftem.ac.in/site/niftem_home.aspx

LOCATION

NATIONAL INSTITUTE OF FOOD TECHNOLOGY ENTREPRENEURSHIP AND MANAGEMENT (NIFTEM)

Plot No. 97, Sector 56, HSIIDC Industrial Estate, Kundli- 131028, District- Sonapat
Haryana, India.

