

AICTE Training and Learning (ATAL) Academy Sponsored ONLINE

Faculty Development Programme



Material Science and Engineering approaches for Food **System Design** (MSEAFSD-2021) 20th - 24th December 2021



Organized by:

Department of Food Engineering & Technology, Tezpur University (A Central University), Napaam, Assam-784028 India

Eligibility:

Faculty members, Research Scholars, and PG students from various government or private Engineering Colleges / Institutions / Universities in the area of Food Process Engineering & related field are eligible to participate in the programme.

Registration:

[Closing Date: 16th Dec. 2021] All the Participants are requested to Register for this FDP through Online by using the following link: https://atalacademy.aicte-india.org/signup

Coordinator:

Prof. Brijesh Srivastava,

Dept. of FET; Tezpur University

Mobile: +91-7635804240

email: brijesh@tezu.ernet.in

- · Eligible Participants will be selected based on First Come First Serve basis (Max seat 200).
- Through online mode only. The link will be provided later.
- · E-certificate will be issued to those Participants who have attended the Program with minimum 80% Attendance and scored minimum 60% Marks in the Online Test which will be conducted at end of the Programme.

PATRON

Prof. V. K. Jain, Hon. Vice Chancellor, TU **ADVISORS**

Prof. D. K. Bhattacharyya, Pro-Vice Chancellor, TU

Prof. S. K. Sinha, Dean, School of Engineering, TU

Prof. Nandan Sit, Head, FET, TU

Prof. Charu Lata Mahanta, FET, TU

Prof. Sankar Chandra Deka, FET, TU

Prof. Manuj kumar Hazarika, FET, TU

Prof. KSMS Raghavarao, IIT Tirupati

Prof. H.N. Mishra, IIT Kharagpur

Dr. N.K. Rastogi, CFTRI, Mysore

Prof. P.P. Srivastav, IIT Kharagpur

Organising Committee

Dr. Laxmikant S. Badwaik,

Dr. Poonam Mishra,

Dr. Amit Baran Das

Dr. Nishant R Swami Hulle

Technical Committee

Dr. Nishant R Swami Hulle

Mr. Sourav Chakraborty

Ms. Tabli Ghosh

Dr. Dipankar Kalita

Dr. Arup Jyoti Das

Mr. Labadeep Kalita

Ms. Swdwmsri Mashahary

Eminent subject experts and researchers prestigious academic institutes and Industries will deliver lectures on following topics on application in food processing:

- Micro to Macro Level Structures of Food Materials
- Food Functionalization and properties improvisation
- Food stability and ingredients interactions
- Phase and State Transitions and Related Phenomena in
- Food Biopolymer Gels, Microgel and Nanogel Structures, Formation and Rheology
- Interfacial Phenomena in Structured Food
- Food Structures and Delivery of Nutrients
- Materials Science of Freezing and Frozen Foods
- Emerging Processing Technologies on Food Material **Properties**
- Materials Science Approaches Towards Food Design

For further detail about the programme visit: http://www.tezu.ernet.in/dfpt/

"Material Science and Engineering Approaches for Food System Design (MSEAFSD-2021)"

from 20 - 24th December 2021

Programe	Topic	Speaker
Day-01 [20 th D		Speaker
Registration	Online Joining	
Tros ion anon	Inaugural Session	Distinguish Guest
Lecture – 01	Food Stability and Ingredient Interactions	Dr. Rekha Singhal
		ICT, Mumbai, India
Lecture – 02	Micro to Macro Level Structures of Food	Dr. CL Mahanta
	Materials	Tezpur University, India
Lecture – 03	Emerging Processing Technologies on Food	Dr. RK Singh
	Material Properties	University of Georgia, USA
Day-02 [21st D	The state of the s	University of Georgia, USA
Lecture – 04	Mechanistic Understanding of Food Processes	Dr. Ashim K Datta
	and the second s	Cornell University, USA
Lecture – 05	Rheological Methods and Modeling, And Their	Dr. Suvendu Bhattachrya
2001010 00	Applications in Product Development	
Lecture – 06	Starch Modification: Novel Approaches for Food	CFTRI, Mysore, India Dr. Nandan Sit
Lecture – 00	Product Development	
Day 02 (22nd F		Tezpur University, India
Day-03 [22 nd Day-03	Recent Advances in Membrane Processing for	Dr. NK Rastogi
Lootale of	Food Product Development	and the second state of th
Lecture – 08	Electrical-Field Assisted Nonthermal Food	CFTRI, Mysore, India Dr. Brijesh Srivastava
Lecture – 00	Processing for Enhancing Mass Transfer	
Locture 00		Tezpur University, India
Lecture – 09	Formation And Stability of Bubble Containing Food Structures	Dr. Keshavan Niranjan
		University of Reading, UK
Day-04 [23rd D		Dr. Mohammad
Lecture – 10	Application of Optical Sensing Technology for Food Quality, Authenticity, and Adulteration	Dr. Mohammed Kamruzzaman
	Detection	
1		University of Illinois, USA
Lecture – 11	Food Biopolymer Gels, Microgel and Nanogel Structures, Formation and Rheology	Dr. D.C. Saxena
Lastina 40		SLIET, Longowal, India
Lecture – 12	Machine Learning Approaches in Food	Dr. MK Hazarika
	Characterization and Process Design	Tezpur University, India
Day-05 [24th D	The part of the second	Du Chuam C Cablani
Lecture – 13	State/Phase Transitions, Ice Recrystallization,	Dr. Shyam S. Sablani
	And Quality Changes in Frozen Foods Subjected	Washington State University,
	to Temperature Fluctuations	USA
Lecture – 14	Introductory session on Life Skills	ТВА
Evaluation	Evaluation of participants through online test Valedictory	Distinguish Guest
	valeutory	Distillyuish Guest