

FATS & OILS INTERNATIONAL CONFERENCE - EXHIBITION



TECHNOLOGICAL INNOVATIONS, EFFICIENCY & VALUE ADDITION FOLLOWING PRINCIPLES OF GREEN CHEMISTRY!!

DATE : 6 - 8 MARCH, 2025 | VENUE : JW MARRIOTT SAHAR, MUMBAI

WELCOME TO FOIC 2025



CONFERENCE SECRETERAIT: OTAI WZ - FOIC 2025, C/o Department of Oils, Oleochemicals & Surfactant Technology, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga, Mumbai - 400019 India

Website: www.foic.org.in Email: info@foic.org.in



INVITATION

GREETINGS FROM THE FOIC 2025 ORGANISING COMMITTEE.

Dear Members, Partners, and Esteemed Guests,

The Oil Technologists Association of India (OTAI) – Western Zone has organized technological conferences and seminars for decades, consistently aiding research scholars, technology providers, and industry professionals in enhancing their skills.

To better serve the Fats & Oils Industry, OTAI – WZ launched the "FATS & OILS INTERNATIONAL CONFERENCE – EXHIBITION (FOIC)" in 2019, with events planned every two years. FOIC 2019 was a success, although FOIC 2021 was canceled due to the COVID-19 pandemic. OTAI – WZ returned with FOIC 2023, which exceeded expectations.

FOIC always selects themes relevant to the industry's global context, making it a significant and beneficial event for participants worldwide.

The upcoming FOIC 2025, scheduled for 6th – 8th March 2025 at JW Marriott, Sahar, Mumbai, will focus on "Technological Innovations, Efficiency & Value Addition Following Principles of Green Chemistry."

This theme emphasizes value addition in Fats & amp; Oils processing, from seed to oil, protein, and byproducts. Given the industry's thin margins, it's essential to maximize value from all products, whether for human or animal consumption, oleo-chemicals, or biodiesel feedstock. Energy efficiency is also crucial, as it improves process economics and supports environmental sustainability.

Emerging biotech techniques, such as enzyme usage, are set to revolutionize oil processing and byproduct production. Food safety is another key focus, particularly minimizing undesirable products during processing and the role of packaging materials.

The event will also highlight the latest analytical instruments for quality control and the importance of process automation through PLC/DCS systems for precise control.

FOIC 2025 will be an invaluable event, providing a platform for global industry leaders to discuss and interact through presentations and deliberations.

Warm regards, Prof. R. D. Kulkarni President, OTAI-WZ Hon. Vice Chancellor, University of Mumbai, Mumbai

Prof. Amit P. Pratap Hon. Secretary, OTAI-WZ Head, Dept. Oils, Oleochemicals and Surfactants Technology, Institute of Chemical Technology, Mumbai Mr. D. V. Chame Conference Chairman CMD, DVC Process Technologists, Pune

Mr. Satish Khadke Conference Convener Director, Sharplex Filters (India) Pvt. Ltd.



ABOUT OTAI

OIL TECHNOLOGISTS' ASSOCIATION OF INDIA EIGHT DECADES OF JOURNEY WITH PASSION

Founded in 1943 and registered in 1945 under the Societies Registration Act, the Oil

Technologists' Association of India (OTAI) is headquartered at HBTI, Kanpur, with five zones - Central, Eastern, Northern, Southern, and Western—having zonal offices in Kanpur, Kolkata, Delhi, Hyderabad, and Mumbai to coordinate national and international activities.

OTAI is a collective of Technologists, Academia, Researchers, Scientists, Analytical service providers, Industrialists, Plant and Technology suppliers, Policy makers, and students. Since its inception, OTAI has been dedicated to the dissemination of technical knowledge, knowhow, and the latest in products, processes, and technology through symposia, workshops, refresher courses, lectures, short courses, industrial trainings, and exhibitions. OTAI also actively educates and guides consumers to safeguard their interests.

The Association publishes the quarterly "Journal of Lipid Science and Technology (JLST)," a scientific journal of international repute for almost seven decades. OTAI is recognized by the Department of Science and Technology, Govt. of India, as a scientific and research organization promoting R&D in Oils, Fats, and Allied Products.

OTAI is a member of key Government Committees that set standards and policies in its field and is represented on national committees like the Development Council for Soaps and Detergents, Bureau of India Standards, and Food Safety and Standards Authority of India. OTAI collaborates with national and international organizations such as CSIR, ICAR, IVPA, SEA in India, and AOCS, JOCS, PORIM, MPOC globally, actively participating in their activities and promoting their events.

Outstanding contributions by member scientists and technologists are recognized annually during the OTAI Annual Convention with prestigious awards.

The Western Zone of OTAI, the largest and most active, has pioneered several national and international events, notably the International Soaps and Detergent Conferences (ISDC) and Fats and Oils International Conference (FOIC). Launched in 2019, FOIC has become a successful platform for showcasing innovations in vegetable oil processing and allied products, evolving into a business conference.

OTAI extends its best wishes for the success of FOIC 2025, organized by the Western Zone.

Dr. Rajeev Churi National President, OTAI



ESTEEMED SPEAKERS

Dr. ir. Marc Kellens ***

Global Technical and R&D Director, Desmet

Edible oil Processing: Increased Concern of the Environment Driving Innovation towards More Sustainable Technological Solutions while Improving Oil Quality and Food Safety





Mr. D. V. Chame ★★★

CEO & Promoter - DVC Process Technologists

Oils and Fats Processing - Process Optimization and Sustainability

Dr. Véronique Gibon ★ ★ 🖈

Artemis Lipids by VG - Belgium

Dry Fractionation, a Cutting-edge Technology for Green Chemistry



★ ★ ★ *KEYNOTE SPEAKERS



ESTEEMED SPEAKERS

Dr. Wim De Greyt ***

Director R & D - Desmet Belgium

Edible Oil Quality: It is (not) all about Contaminants Mitigation and Valuable Minor Components



Mr. Hong, Boon Kheng

Regional Business Manager - BU CPO, Alfa Laval Malaysia and Amol Hukkerikar Alfa Laval Copenhagen Søborg, Denmark.

Towards Sustainable Palm Oil Production: Integrated D3PRO-Pomevap Solution for Minimizing Palm Oil Mill Effluent, Resource Recovery and GHG Reduction

Prof. (Dr.) Ravindra D. Kulkarni

Vice Chancellor, University of Mumbai

To Be Announced







ESTEEMED SPEAKERS

Mr. Alexey Shevchenko

Manager Global Technology Oils and Fats Systems, Alfa Laval Denmark

Boost in Profit with TocoBoost® Value Addition Techniques in Vegetable Oil Refining





Mr. Andrea Bernardini

Commercial Director, Technoilogy s.r.L., Italy

How to Add Value to Palm and Palm Kernel Oil Refinery By-Products

Dr. R. B. N. Prasad

Former Chief Scientist & Head - Centre for Lipid Research CSIR Indian Institute of Chemical Technology, Hyderabad

Importance of Nutritional and Health Standards for the Quality and Safety of Edible Oils & Fats





ESTEEMED SPEAKERS

Mr. Sandeep Khadke Director - Sharplex Filters (India) Pvt. Ltd., Navi Mumbai

Use of Latest Process Filtration Equipment to Support Sustainability in Fats & Oils industry





Mr. Jenendra Bohra Executive Director - Ferro Oiltek Pvt. Ltd., Ambernath

Innovations in Post-Harvest Oilseed Preservation, Storage and Processing

Ms. Aarti Chame

Head - Design Engg. And Supply, DVC Process Technologist, Pune

Role of Equipment Design in Enhancing Process and Energy Efficiency





ESTEEMED SPEAKERS

Dr. Kingsuk Kumar Mondal

Technical Consultant in Specialty Fats & Product Development

Processing of Cocoa Butter Equivalent by Dry or Acetone Fractionation of Sal and Shea Butter with Its Techno-economical Feasibility



Mr. Sashikant Madgula

Business Segment Leader, Clean Fuels & Chemical Licensing Group Sulzer Chemtech, Houston, USA

A Novel Process Technology Alternative to Address the Contaminant Challenge for Pretreating feedstock for Renewable Diesel production

Mr. Chetan Sayankar

Managing Director/ CEO – S-Cube Mass Transfer Pvt Ltd

Transformative Approaches to Reduce Carbon Emissions in the Oils & Fats Industry





ESTEEMED SPEAKERS

Mr. Rohit Bangera

Technical Sales Manager Novonesis, Bangalore

BioInnovations in Oils & Fats Processing: Enhancing Yields, Quality and By-Product value through Enzyme Technologies



Prof. Jyotsna Waghmare

Head, Department of Oils, Oleochemicals, and Surfactants Technology Institute of Chemical Technology, Mumbai

Structured Lipids for Food and Pharmaceutical Applications

Mr. Sameer Kapadia General Manager (Sales & Marketing) Kumar Metal Industries, Mumbai

Innovative Zero Liquid Discharge System for Waste Water Management in Solvent Extraction Plants





ESTEEMED SPEAKERS

Mr. Rabindra Gandhi

Managing Director United Engineering Pvt. Ltd, New Delhi

Sustainable Mechanical Extraction of Edible Oils through Green Chemistry Principles



Dr.-Ing. Armin Brandner

Product Director for Green Chemicals & amp; Fuels Product Line Air Liquide Global E&C Solutions Germany GmbH, Germany

Sustainable Process for the Production of Bio Propylene Glycol from Primary Oleochemical Glycerin

Mr. Pushkaraj Neswankar

Head – Urban & Exports Wipro Water (Division of Wipro Enterprises Pvt Ltd)

Efficient Treatment of Raw Water and Effluent in the Edible Oil Industry





ESTEEMED SPEAKERS

Mr. Filippo Ferrari

Sales Director, Servizi Industriali S.r.l.

Advanced Centrifugal Separation for Optimized Production and By- Product Recovery in Fats & Oils Industry





Mr. Rohit Tamta

Marketing Manager, Industry Segment

Energy Efficiency & Process Optimisation using VFD

Mr. Vinay Mittal

Product Portfolio Manager – High Energy Efficient LV Motors Siemens Limited, Thane

High Energy efficient LV Motors for sustainable energy efficiency in Edible Oil Production





ESTEEMED SPEAKERS

Mr. Ashwin Palshikar

Director, Sapcon Instruments Pvt. Ltd., Indore

Role of Instruments in Deoiled Toaster Operation – An Energy Saver





Mr. Smital Shah Team Lead, Forbes Marshall, Pune

Energy-saving Opportunities in Edible Oil Plants



TIME	ΤΟΡΙϹ
17:30 - 17:35	Inviting Guests on the Dias
17:35 - 17:40	Welcome by Prof. R D Kulkarni; President, OTAI-WZ
17:40 - 17:45	Lightning of the lamp
17:45 - 17:50	Address by Dr. Rajeev Churi; National President, OTAI
17:50 - 18:00	About the event by Mr. Satish Khadke; Conference Convener, FOIC 2025
18.00 - 18:05	Address by Mr. D. V. Chame; Conference Chairman, FOIC 2025
18:05 - 18:10	Address by Dr. B. R. Gaikwad; Chairman - Steering Committee, FOIC 2025
18:10 - 18:25	Address by Guest of Honour Mr. Nadir Godrej; Chairman & MD Godrej Industries Ltd
18:25 - 18:40	Address by Chief Guest
18:40 - 18:45	Vote of Thanks by Prof. Amit Pratap, Hon. Secretary, OTAI-WZ
19:15 - 21:30	Entertainment Programme
20:30 onwards	Networking Dinner





TIME	TOPIC	SPEAKER
	MODULE 1: KEY-NOTE LECTU	JRES
09:30 - 10:10	KL-01 Edible Oil Quality: It is (not) all about Contaminants Mitigation and Valuable Minor Components	Dr. Wim De Greyt Desmet, Belgium
10:10 - 10:50	KL-02 Oils and Fats Processing - Proce <mark>ss Optimi</mark> zation and Sustainability	Mr. D V Chame DVC Process Technologists, Pune
10:50 - 11:20	REFRESHM	IENTS
	MODULE 2: TECHNICAL ADVANCEMENTS IN F	
11:20 - 11:45	TA-03 Use of Latest Process Filtration Equipment to Support Sustainability in Fats & Oils industry	Mr. Sandeep Khadke <mark>Sha</mark> rplex Filters (India) Pvt. Ltd., <mark>Navi M</mark> umbai
11:45 - 12:10	TA-04 Role of Equipment Design in Enhancing Process and Energy Efficiency	Ms. Aarti Chame DVC Process Technologists, Pune
12:10 - 12:35	TA-05 Innovative Zero Liquid Discharge System for Waste Water Management in Solvent Extraction Plants	Mr. Sameer Kapadia Kumar Metal Industries Pvt. Ltd., Mumbai
12:35 - 12:50	TA-06 Bio Innovations in Oils & Fats processing: Enhancing Yields, Quality and By-Product Value through Enzymes technologies	Mr. Rohit. A. Bange ra Novonesis, Bangalore
12:50 - 13:00	Dis <mark>cussi</mark> on	
13:00 - 14:00	LUNCH	



	MODULE 3: FROM RAW MATERIALS TO CONS	UMER EXPECTATIONS
14:00 - 14:25	RC-07 Innovations in Post-Harvest Oilseed Preservation, Storage and Processing	Mr. Jenendra Bohra Ferro Oiltek Pvt. Ltd., Mumbai
14:25 - 14:40	RC-08 Sustainable Mechanical Extraction of Edible Oils through Green Chemistry Principles	Mr. Rabindra Gandhi United Engineering Pvt. Ltd., New Delhi
14:40 - 14:55	RC-09 Role of Instruments in DT Operation – An Energy Saver	Mr. Ashwin Palshikar Sapcon Instruments Pvt. Ltd., Indore
14:55 - 15:10	RC-10 Transformative Approaches to Reducing Carbon Emissions in the Oils & Fats Industry: Pioneering New Distillation Technologies and its internals	Mr. Chetan Sayankar S. Cube Mass Transfer Pvt Ltd., Pune
15:10 - 15:30	Discussion	
15:30 - 16:00	REFRESHMENTS	
	MODULE 4: OILS & FATS FOR NUTRITIC	
	ONH-11	
16:00 - 16:15	Structured Lipid for Food and Pharmaceutical Applications	Prof. Jyotsna Waghmare Institute of Chemical Technology, Mumbai
16:15 - 16:30	ONH-12 Importance of Nutritional and Health Standards for the Quality and Safety of Edible Oils & Fats	Dr. R B N Prasad CSIR-Indian Institute of Chemical Technology, Hyderabad
	MODULE 5: PANEL DISCUS	SSION
16:30 - 17:30	Oils & Fats Industry Issues : - Refined Cooking Oils - Healthy Oil Mantras - Myths and Facts - Secrets of Enzymes - Process optimization in de-gumming & neutralization operations? - DDGS - Rising Challenge, Squeezing Margin in the Oilseed Industry	
17:30 - 19:30	NETWORKING AND VISIT TO E	XHIBITION STALLS
19:30 onwards	CULTURAL PROGRAM ANI	DINNER



TIME	ТОРІС	SPEAKER
	MODULE 6: KEY NOTE LECT	URES
09:30 - 10:10	KL-13 Edible oil Processing: Increased Concern of the Environment Driving Innovation towards More Sustainable Technological Solutions while Improving Oil Quality and Food Safety	Dr. Marc Kellens Desmet, Belgium
10:10 - 10:50	KL -14 Dry Fractionation, a Cutting-edge Technology for Green Chemistry	Dr. Véronique Gibon Artemis Lipids by VG – Namur, Belgium
10:50 - 11:20	REFRESHN	IENTS
	MODULE 7: FATS & OIL PROCESSING FOR	R VALUE ADDITION
11:20 - 11:35	FV-15 Processing of Cocoa Butter Equivalent by Dry or Acetone Fractionation of Sal and Shea Butter with Its Techno- economical Feasibility	Dr. Kingsuk Kumar Mondal Mumbai
11:35 - 12:00	FV-16 How to Add Value to Palm and Palm Kernel Oil Refinery By- Products	Mr. Andrea Bernardini Technoilogy India Oils & Fats Pvt. Ltd., Bangalore
12:00 - 12:25	FV-17 Boost in Profit by TocoBoost®. – Value Addition Techniques in Vegetable Oil Refining	Mr. Alexey Shevchenko Alfa Laval, Denmark
12:25 - 12:50	FV-18 Sustainable Process for the Production of Bio Propylene Glycol from Primary Oleochemical Glycerine	Dr. Armin Brandner Air Liquide Global E&C Solutions Germany GmbH, Frankfurt, Germany
12:50 - 13:00	Discussion	
13:00 - 14.00	LUNC	H



08TH MARCH, 2025

MODULE 8: ENERGY EFFICIENCY & SUSTAINABILITY		
14:00 - 14:25	EN-19 Towards Sustainable Palm Oil Production: Integrated D3PRO-Pomevap Solution for Minimizing Palm Oil Mill Effluent, Resource Recovery and GHG Reduction	Mr. Boon Kheng Hong, Alfa Laval, Malaysia and Mr. Amol Hukkerikar, Alfa Laval, Denmark
14:25 - 14:50	EN -20 Advanced Centrifuge Separation for Optimised Production & By-product Recovery	Mr. Filipo Ferrari Servizi Industries S.R.L, Italy
14:50 - 15:05	EN -21 Energy-saving Opportunities in Edible Oil Plants	Mr. Smital Shah Forbes Marshall Pvt Ltd, Pune
15:05 - 15:20	EN -22 Energy Efficiency & Process Optimization using VFD	Mr. Rohitkumar Tamta ABB India Ltd., Mumbai
15:20 - 15:35	EN -23 High Energy efficient LV Motors for sustainable energy efficiency in Edible Oil Production	Mr. Vinay Mittal Siemens Limited, Thane
15:35 - 15:45	Discussion	
	MODULE 9: CONTAMINANTS AND	EFFLUENTS
15:45 - 16:05	CE-24 A Novel Process Technology to Address the Contaminant Challenges in Feedstock Proc <mark>ess</mark> ing	Mr. Sashikant Madgula Sulzer Chemtech, Houston, U.S.A
16:05 - 16:20	CE - <mark>2</mark> 5 Latest Development in ZLD Technology Effluent in the Edible Oil Industry	Mr. Pushkaraj Neswankar Wipro Water, Wipro Enterprises Pvt Ltd., Navi Mumbai
16:20 - 16:30	Discussion	
16:30 - 17:30	VALEDICTORY	FUNCTION

17:30 onwards

REFRESHMENTS – END OF CONFERENCE



REGISTRATION FEES

NATIONAL REGISTRATION FEE (Excluding GST)

CATEGORY	2nd SLAB 01-01-2025 to 15-02-2025	CURRENT SLAB/ SPOT REGISTRATION 16-02-2025 onwards
OTAI Member (Non-Residential)	₹14,400	₹16,000
Non OTAI Member (Non-Residential)	₹17,100	₹19,000
Student OTAI Member (Non-Residential)	₹7,200	₹8,000
OTAI Member Residential (Single Occupancy)	₹40,400	₹42,000
Non Member Residential (Single Occupancy)	₹43,100	₹45,000
OTAI Member Residential (Twin Sharing)	₹28,400	₹30,000
Non Member Residential (Twin Sharing)	₹31,100	₹33,000

INTERNATIONAL REGISTRATION FEE

CATEGORY	2nd SLAB 01-01-2025 to 15-02-2025	CURRENT SLAB/ SPOT REGISTRATION 16-02-2025 onwards
OTAI Member (Non-Residential)	\$ 200	\$ 225
Non OTAI Member (Non-Residential)	\$ 225	\$ 250
Student OTAI Member (Non-Residential)	\$ 90	\$ 100
OTAI Member Residential (Single Occupancy)	\$ 525	\$ 550
Non Member Residential (Single Occupancy)	\$ 550	\$ 600
OTAI Member Residential (Twin Sharing)	\$ 375	\$ 400
Non Member Residential (Twin Sharing)	\$ 400	\$ 425



OUR PARTNERS





FATS & OILS INTERNATIONAL CONFERENCE - EXHIBITION



TECHNOLOGICAL INNOVATIONS, EFFICIENCY & VALUE ADDITION FOLLOWING PRINCIPLES OF GREEN CHEMISTRY!!

DATE: 6 - 8 MARCH, 2025 | VENUE: JW MARRIOTT SAHAR, MUMBAI

SCAN THE QR CODE TO REGISTER NOW!



MARRIOTT

CONFERENCE SECRETERAIT: OTAI WZ - FOIC 2025, C/o Department of Oils, Oleochemicals & Surfactant Technology, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga, Mumbai - 400019 India Website: www.foic.org.in Email: info@foic.org.in

Conference Managed by **medivision**