

29<sup>th</sup> Practical Short Course:  
**Fundamentals & New Techniques in Edible Oil Processing and Application**

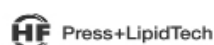
LIVE & ONLINE Program on Saturday and Sunday, April 29 & 30, 2023

Residence Inn Denver City Center, Denver CO, U.S.A.

This program provides access to 20 live face-to-face presentations plus online access to 10 online video presentations from 2020-2022 programs



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**CONFIRMED SPEAKERS**

**Mr. Jorge Bello**, Global Technical Service Manager Clay Catalyst, EP Engineered Clays, U.S.A.

**Mr. Kaustuv Bhattacharya**, Principal Application Specialist, Oils & Fats, Nourish, International Flavors & Fragrances, Denmark.

**Mrs. Rachel Burton**, Chief Technology Officer, ProcesWerx, U.S.A.

**Dr. Ignace Debruyne**, Technical & Market Consultant, ID&A, Belgium

**Mr. Yannick Farine**, Industry Specialist Vegetable Oils, KROHNE, Belgium

**Mr. Klaus Funch Høyer**, SPX Flow Gerstenberg, Denmark

**Mr. Jon Hanft**, HF Press+LipidTech, Germany.

**Mr. Nikita Itchenko**, Technical Service Manager, Ingredient Processing, DSM Food & Beverage, The Netherlands

**Dr. Semih Sefa Koseoglu**, President, Filtration and Membrane World, U.S.A.

**Mr. Darren Litle**, Director of Technical Sales – Oils & Fats & Biodiesel, Arisdyn Systems, U.S.A.

**Dr. Alejandro Marangoni**, Professor, University of Guelph, Canada

**Mr. Julian Poll**, Product Manager Sales, GEA Westfalia Separator Group, Germany

**Mr. Björn Schlüter**, Sales Manager, HF Press+LipidTech, Germany

**Mr. Patrick Schürmann**, Product Manager Sales, GEA Westfalia Separator Group, Germany

**Dr. Johnathon Speed**, Keit Spectrometers, U.K.

**Mr. Rick Veldkamp**, Sales Manager Europe, PMI-Tech (Europe), Netherland

**Dr. Roland Verhé**, Professor, Ghent University, Belgium

ID&A Ignace Debruyne & Associates VOF  
Haverhuisstraat 28, B-8870  
Izegem (Belgium)  
Tel.: +32 51 311 274  
Fax: +32 51 315 675  
oilprocess@smartshortcourses.com  
www.smartshortcourses.com

Dr. S. Sefa Koseoglu, President  
Bioactives World Forum  
1902 Dartmouth Street, R4  
College Station, Texas 77840 (USA)  
Tel: +1-979-739-5682  
sefa.koseoglu@gmail.com  
www.bioactivesworld.com



# TECHNICAL PROGRAM

## Day 1 - Saturday, April 29, 2022 - Fundamentals of Edible Oil Processing & Application

- 8:55 am Introduction
- 9:00 am **Chemistry of Oils and Fats**, Dr. Ignace Debruyne, ID&A, Belgium
- 9:30 pm **Opportunities of the 2-step Pressing Process (Screw Presses)**, Mr. Björn Schlüter and Mr. Jon Hanft, HF Press+LipidTech, Germany/U.S.A.
- 10:00 am **Review of Edible Oil Refining Separator and Decanter Processes**, Mr. Patrick Schürmann, GEA Westfalia Separator Group, Germany
- 10:30 am Coffee Break & Networking
- 11:00 am **Bleaching for Pretreatment of Renewable Diesel/Biodiesel, CBD and Hemp Oils**, Mr. Brian Cooke, Clariant, U.S.A.
- 12:00 n **Filtration of Edible Oils: Options, Optimization, and Economy**, Mr. Rick Veldkamp, PMI-Tech (Europe), the Netherlands
- 12:30 n Lunch & networking
- 2:00 pm **Margarine and Shortening process Optimization and Crystallization Control**, Mr. Klaus Funch Høyer, SPX Flow Gerstenberg, Denmark
- 2:30 pm **Hydrogenation of Fats and Oils**, Dr. Semih Sefa Koseoglu, Filtration and Membrane World, U.S.A.
- 3:00 pm **Crystallization of Oils and Fats**, Dr. Alejandro Marangoni, Professor, University of Guelph, Canada
- 3:30 pm Coffee Break & Networking
- 4:00 pm **Fundamentals of Emulsions and Emulsifiers**, Mr. Kaustuv Bhattacharya, International Flavors & Fragrances, Denmark
- 4:30 pm **Microencapsulation of Oils and Fats**. Dr. Sefa Koseoglu, Filtration & Membrane World, U.S.A.
- 5:00 pm End of day 1

## Day 2 - Sunday, April 30, 2023 - New Techniques in Oil Processing and Refinery Optimization

- 8:55 am Introduction
- 9:00 am **Comparison between Conventional and Newly Developed HVO Pretreatment Process**, Mr. Julian Poll, GEA Westfalia Separator Group, Germany
- 9:30 am **Process Changes Needed to Implement Cavitation Technology**, Mr. Darren Litle, Arisdyn Systems, U.S.A.
- 10:00 am **From Past to Future: Comparison of Measurement Technologies for the Edible Oil Market**, Mr. Yannick Farine, Industry Specialist Vegetable Oils, KROHNE, Belgium
- 10:30 am Coffee Break & Networking
- 11:00 am **Measuring Quality and Efficiency in the Refining of Vegetable Oil**, Mr. Patrick Schürmann, GEA Westfalia Separator Group, Germany
- 11:30 am **New Developments in Vegetable Oil Bleaching**, Mr. Jorge Bello, EP Engineered Clays, U.S.A.
- 12:00 n **New Pathways for the Production of Renewable Diesel and Sustainable Aviation Fuel**, Dr. Roland Verhé, Ghent University, Belgium
- 12:30 n Lunch & networking
- 2:00 pm **Processing Hemp: Critical Considerations**, Mrs. Rachel Burton, Knack Process Design, U.S.A.
- 2:30 pm **Novel Applications of Phospholipase Enzymes in Oil Processing**, Mr. Nikita Iltchenko, DSM Food & Beverage, The Netherlands
- 3:00 pm **Static Optics FTIR – Real Time Continuous Analysis of Fats and Oils Processing**, Dr Johnathon Speed, Keit Spectrometers, U.K.
- 3:30 am **Mechanism of Oxidation and Oil Quality Management in Frying and Cooking Oils**, Dr. Ignace Debruyne, ID&A, Belgium.
- 4:15 pm **End of Program - Opening of AOCs Annual Meeting 2023**

### REGISTRATION INFORMATION

<b>EARLY BIRD REGISTRATION (on or prior to April 9, 2023)</b>	<b>\$595</b>
<b>REGULAR REGISTRATION (After April 9, 2023)</b>	<b>\$695</b>
<b>ZOOM REGISTRATION</b>	<b>\$445</b>

#### Total

- Registration includes access to the full program, breaks and lunches, and additional access to 10 online presentations of choice recorded during previous short courses in 2020-2022
- Special rates available for companies wishing to register larger groups of participants



CONFERENCE VENUE  
Residence Inn Denver City Center  
1725 Champa Street  
Denver, Colorado, USA, 80202  
Tel: +1 303-296-3444

### Payment by Check:

Checks should be made to "Short Courses" and mailed to:

**Filtration and Membrane World, Bioactives World Forum**, 1902 Dartmouth St, Unit R4, College Station, TX 77840 (USA)

Tel.: +1 979-739-5682; E-mail: info@smartshortcourses.com; sefa.koseoglu@gmail.com; ignace.debruyne@gmail.com

### Registration:

<https://www.eventbrite.com/e/fundamentals-of-oils-fats-and-new-technologies-refinery-optimization-tickets-271270797257>

or

Download the registration form, fill the form and send by email to [sefa.koseoglu@gmail.com](mailto:sefa.koseoglu@gmail.com)