



31st Practical Short Course
Advanced Oil Processing - Palm, Palm Kernel and Coconut Oil Processing and Food Applications
Hotel Estelar La Fontana, Bogotá, Colombia, June 4 & 5, 2024

LIVE & ONLINE PROGRAM 9-18 am UTC (=GMT-5) Simultaneous translation English Spanish

Early Bird registration until May 12, 2024

Registration includes short course manuals, lunch & coffee breaks (live program), and full access to all live presentations and chat sessions

Sponsors



Speakers

Mr. Hernan Algarra, *Regional Manager Latin America & The Caribbean, Colombia*

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

Mr. Andrea Bernardini, *Commercial Director, Technoology, Italy*

Mr. Enrique O. Diaz, *Product Line Manager, Anderson International Corp., U.S.A.*

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

Mr. Camillo Dominguez Mesa, *Edible Oil Sales Engineer, Alfa Laval, Colombia*

Mr. Héctor Ángel Lara Cortéz, *Technical Support Specialist LATAM Clariant Productos Químicos, México*

Mr. León Pablo Espinosa, *Sales Manager, Desmet, U.S.A.*

Mr. Gabriel F. León, *Regional Sales Manager, DSM Firmenich, Brazil*

Mrs. Emma Claudia Sandoval, *Pilot Plant Lipid Applications, Palsgaard Industri, Mexico*

Mr. Bart Scholten, *Group Business Development Manager, Envirogen Technologies BV, The Netherlands*

Mr. Frank Schöning, *Product Manager Renewable Resources, GEA Westfalia Separator, Germany*

Mr. Paulo Telles Moraes, *Fats & Oils Processes Specialist for CPM Crown Iron Works, U.S.A.*

Eng. Lucas Topp, *Operations Manager, Fine Instrument Technology, Brazil*

Mr. Anibal Urizar Silva, *Technical Sales Manager, Desmet, Mexico TBN, Cenepalma, Colombia*

Tentative Program

Day 1: Tuesday June 4, 2024

- 8:55 a.m. Introduction Day 1.
- 9:00 a.m. **Chemistry & Processing of Oils & Fats - Palm, Palm Kernel and Coconut Oil**, Dr. Ignace Debruyne, ID&A, Belgium
- 9:30 a.m. **Current Market Trends: Palm & Lauric Oils & Co-Products**, TBN, Cenepalma, Colombia

PALM OIL PRODUCTION AND BY-PRODUCT VALORIZATION

- 10:00 a.m. **Use of Expeller® Presses in Palm Kernel and Copra Oil Production**, Mr. Enrique O. Diaz, Anderson International Corp., U.S.A.
- 10:30 a.m. Coffee/Tea Break & Networking
- 11:00 a.m. **Processing of Fresh Coconut and Recovery of Virgin Coconut Oil by Using Mechanical Centrifugation**, Mr. Frank Schöning, GEA Westfalia Separator Group, Germany
- 11:30 a.m. **D3PRO - A Green Clarification System: Best Oil Yield and Lowest Effluent Production**, Mr. Camillo Dominguez, Alfa Laval, Colombia
- 12:00 p.m. **Improving CPO Quality and Mitigation Strategies for Oil Mills to Avoid 3-MCPD'S Esters**, Mr. Frank Schöning, GEA Westfalia Separator Group, Germany
- 12:30 p.m. Lunch Break and Networking
- 2:00 p.m. **How Magnetic Resonance Technology (MRI) is Impacting the Extraction and Yield of Palm Oil**, Eng Lucas Topp, Fine Instrument Technology, Brazil

PALM OIL PROCESSING

- 2:30 p.m. **Palm Oil Refinery - Best Engineering Practices to Design a Refinery, from P&IDs, PFDs, Proper Specification of Equipment, Layout**, Mr. Paulo Telles, CPM Crown Iron Works, U.S.A.
- 3:00 p.m. **Critical Parameters in Oil Refining**, Mr. Camillo Dominguez, Alfa Laval, Colombia
- 3:30 p.m. Coffee/Tea Break & Networking
- 4:00 p.m. **Nano Reactor Technology to Improve Chemicals Consumption in Neutralization and Biodiesel Production**, Mr. Anibal Urizar Silva, Desmet, U.S.A.
- 4:30 p.m. **How to Add Value to Palm and Palm Kernel Oil Refinery: from By-Products to Specialty Fats**, Mr. Andrea Bernardini, Technoology, Italy
- 5:00 p.m. End of Day 1

Day 2: Wednesday June 5, 2024

9:00 a.m. **How to Mitigate GE and 3MCPDs in Palm in Running Plants**, Mr. Leon Pablo Espinosa, Desmet, U.S.A.

PALM OIL BLEACHING

9:30 a.m. **Critical Issues on Bleaching of Hybrid Palm Oil**, Mr. Jorge Bello, EP Engineered Clays, U.S.A.

10:00 a.m. **Palm Oil Purification Challenges**, Mr. Héctor Ángel Lara Cortéz, Clariant Productos Químicos, México

10:30 a.m. *Coffee/Tea Break & Networking*

11:00 a.m. **Palm Oil Filtration and Problems in Vertical Filters and How to Avoid These**, Mr. Bart Scholten, Envirogen Technologies BV, The Netherlands

PALM OIL DEODORIZATION AND DOWNSTREAM PROCESSING

11:30 a.m. **Deodorizer Design in Refineries**, Mr. Paulo Telles, CPM Crown Iron Works, U.S.A.

12:00 p.m. **PalmFlex a New Physical Refinery for GE and 3MCPD Mitigation**, Mr. Camillo Dominguez, Alfa Laval, Colombia

12:30 p.m. *Lunch Break and Networking*

2:00 p.m. **Introduction on the Palm Oil Crystallization Process**, Mrs. Emma Claudia Sandoval, Palsgaard Industri, Mexico

2:30 p.m. **Continuous and Static Dry Fractionation for High Quality Palm and Palm Kernel Fractions: IConFrac™ and Statolizer™**, Mr. Leon Pablo Espinosa, Desmet, U.S.A.

3:00 p.m. **Vacuum Systems in Edible Oil Processing**, Mr. Hernan Algarra, Croll Reynolds, Colombia

3:30 p.m. *Coffee/Tea Break & Networking*

4:00 p.m. **Enzymatic Interesterification, a Sustainable Alternative to Chemical Interesterification**, Mr. Anibal Urizar Silva, Desmet, U.S.A.

VALUE ADDED PRODUCTS

4:30 p.m. **Adding Value to Fats & Oils through Micronutrients Fortification: Use of DHA and Natural Antioxidants**, Mr. Gabriel León, DSM Firmenich, Brazil

5:00 p.m. **Oxidation Mechanism and Quality Management of Oils & Fats During Processing and Use in Frying and Cooking**, Dr. Ignace Debruyne, ID&A, Belgium

5:30 pm *End of program*

Advanced Oil Processing – Palm, Palm Kernel and Other Tropical Oils Processing and Food Applications, Bogotá, Colombia - June, 4 and 5, 2024

First Name		
Last Name/Family Name		
Job Title		
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Business Phone		
E-mail		

REGISTRATION INFORMATION (Registration rate includes short course manuals, lunch and coffee breaks)

Registration Rates	
Early Registration (Before May 12, 2024)	\$845 (USD)
Regular Registration (After May 12, 2024)	\$995 (USD)
ZOOM Registration (Before May 12, 2024)	\$495 (USD)
ZOOM Registration (After May 12, 2024)	\$595 (USD)
Total Payment	

Use the online registration: <http://www.smartshortcourses.com/oilprocess23/registration.html>

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Cancellation policy:

Cancellations have to be sent by fax or e-mail to the organizers; please ask for confirmation.

- Cancellations received up till 30 days before the event, will be refunded at full price minus bank costs and extra \$ 50 handling cost

- Cancellations up till two weeks before the event, will be refunded at full cost minus bank costs and extra \$ 100 handling cost

- No refund is possible later than two weeks before the event

- Registrations are always fully transferable by sending a fax or e-mail indicating the name change