Edible Fats and Oils Refining: Basic Principles and Modern Practices Short

Course

April 27-28, 2024, Montréal, Quebec, Canada

Location: Palais des Congrès Montréal, 1001 Jean Paul Riopelle PI Montréal QC H2Z 1H5 Canada Before the 2024 AOCS Annual Meeting & Expo and Sustainable Protein Forum

Organizers: Alan Paine, ARP Lipids Consulting, UK, and Roberto Berbesi, Global Technical Lead, Oil-Dri Corporation of America, USA

- Each "Overview" presentation will be followed by 5 minutes of Q&A and Panel Discussions will be held after a section is finished.
- Refreshments and lunch are included for attendees and instructors.

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Course Schedule

Saturday, April 27, 2024 | Room 520a 9:00 am-6:00 pm EDT (UTC -4)

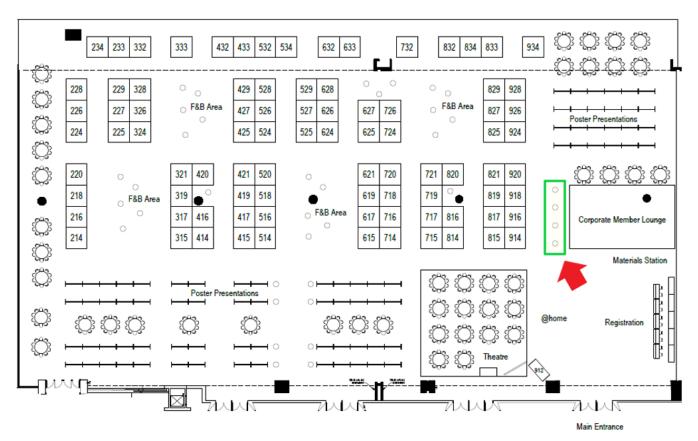
Time EDT (UTC -4)	Duration (Minutes)	Topic/ Title	Instructor
9:00-9:05 am	5	Welcome	Organizer
9:05-9:45 am	40	Extraction and Oil Quality Overview	Diego Madueno, Area Sales Manager – North & Central America, Desmet, USA
9:45-9:50 am	5	Q&A	
9:50-10:05 am	15	Vegetable Oil Extraction: Pros and Cons	Orayne Kondur, Sales Engineer, Desmet, USA
10:05-10:20 am	15	Fundamentals of Shallow Bed Extractors	Bryent Blankenship, Global Technical Sales Manager Crush, Crown Iron Works, USA
10:20-10:30 am	10	Panel Discussion	
10:30-10:50 am	20	Refreshment Break (Sponsored by N Hunt Moore & Associates Inc.)	
10:50-10:55 am	5	Introduction to new section	
10:55-11:35 am	40	The Overview of Degumming Processes	Mette Overgaard, Science Manager, Novonesis, Denmark

EDT (UTC-4)(Minutes)Topic/TitleInstructor11:35-11:40 am5Q&A11:35-11:40 am5Q&A11:40-11:55 am15Degumming & Lecithin ProductionGreg Hatfield, Director-Global Refining & Specialty Ingredients Technology, Bunge North America, Canada11:55 am-12:10 pm15The Enzyme Assisted Degumming of Vegetable OilsMette Overgaard, Science Manager, Novonesis, Denmark12:10-12:20 pm10Panel DiscussionMette Overgaard, Science Manager, Novonesis, Denmark1:20-1:25 pm5Introduction to new sectionWilliam (Bill) Younggreen, Regional Business Manager, Oils & Fats Systems, Alfa Laval, USA1:40-1:55 pm15Chemical Refining – Overview and ConsiderationsWilliam (Bill) Younggreen, Regional Business Manager, Oils & Fats Systems, Alfa Laval, USA1:40-1:55 pm15Physical Refining – Overview and ConsiderationsGreg Hatfield, Director-Global Refining & Specialty Ingredients Technology, Bunge North America, Canada1:55-2:10 pm15Neutralization: Alkali and Acid RefiningOrayne Kondur, Sales Engineer, Desmet, USA2:10-2:40 pm30Trends and Developments in Technologies in Vegetable Oil ProcessingOrayne Kondur, Sales Engineer, Desmet, USA2:40-2:55 pm15Panel DiscussionGlobal Technical Lead, Oil-Dri Corporation of America, USA3:15-3:55 pm20Refreshment BreakGlobal Technical Lead, Oil-Dri Corporation of America, USA4:00-4:15 pm15Alternative Ways to Optimize Bleaching ProcessJorge Bello, T	Time	Duration		
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	5:20-5:30 pm	10	Q&A and Discussion	
•	5:30-5:35 pm	5	Closing Remarks	

Sunday, April 28, 2024 | Room 520a

9:00 am-4:00 pm EDT (UTC -4) | Course Program / 5:30-7:00 pm EDT (UTC -4) | Welcome Reception

Time	Duration	_	
EDT (UTC -4)	(Minutes)	Topic/ Title	Instructor
9:00-9:05 am	5	Opening Remarks	Organizer
9:05-9:35 am	30	Cellulose Filteraids: An Ecological and Economical Alternative to Mineral Filteraids in Oil Filtration	Jens Schienke, General Manager Sales, Jelu Werk, Germany
9:35-9:40 am	5	Q&A, Discussion	
9:40-10:25 am	45	Deodorization of Edible Oil	Alan Paine, Consultant, ARP Lipids Consulting, United Kingdom
10:25-10:30 am	5	Q&A, Discission	
10:30-10:50 am	20	Refreshment Break (Sponsored by Vi	sionary Fiber Technologies, Inc.)
10:50-11:30 am	40	Hydrogenation	Randy Kruger, Director, Engineering Support for North America, Crush and Refining, Bunge North America, USA
11:30-11:35 am	5	Q&A, Discussion	
11:35 am-12:15 pm	40	Current Status of Chemical and Enzymatic Interesterification for Commodity Oils and Specialty Fats	Véronique J. Gibon, Consultant, Artemis Lipids, Belgium
12:15-12:20 pm	5	Q&A, Discussion	
12:20-1:20 pm	60	Lunch	
1:20-2:00 pm	40	State of the Art in Fractionation: New Product Design from Vegetable or Animal Fats	Véronique J. Gibon, Consultant, Artemis Lipids, Belgium
2:00-2:05 pm	5	Q&A, Discussion	
2:05-2:25 pm	20	Winterization Overview	Alan Paine, Consultant, ARP Lipids Consulting, United Kingdom
2:25-2:45 pm	20	Wet Dewaxing Process Comparison Using Centrifugal Separators	Patrick Schürmann, Product Manager Sales, GEA Westfalia Separator Group, Germany
2:45-3:05 pm	20	Filtration of Winterized Oil	Bart Scholten, Group Business Development Manager, Envirogen Technologies, Netherlands
3:05-3:20 pm	15	Panel Discussion	
3:20-4:00 pm	40	Environmental Management and Sustainability	Michael J. Boyer, PE, AWT Management Services, Inc., Atlanta, Georgia, USA
4:00-4:10 pm	10	Closing	
		Q&A and Wrap Up	
5:30-7:00 pm	90	AOCS Annual Meeting & Expo Welcome Reception (Expo Hall) Access is included with your registration. Short Course registrants are welcome to attend for expanded networking opportunities! Beverages and hors d'oeuvres will be served.	



Expo Hall – Welcome Reception 5:30-7:00 pm EDT

Mike Boyer (our last speaker of Day 2) will be introducing any newcomers around the Expo floor during the Welcome Reception. If you would like to join him, please meet at 5:30 pm outside of the Corporate Member Lounge (indicated by green box above).