



22nd Practical Short Course: Trends and Markets in Aquaculture Feed Ingredients, Nutrition, Formulation and Optimized Feed Production and Quality Management

Novotel Gent Centrum, Ghent, Belgium - 8 & 9 April 2024
- With (optional) shrimp farm visit and training on 10 April 2024

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SHORT COURSE ORGANIZERS

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SPEAKERS

Mr. Josef Barbi, President, E.S.E. & INTEC, U.S.A.
Mr. Hans Boon, Consultant, Aquaculture Experience, the Netherlands
Mrs. Raven Brackx, Product Manager, BESTMIX, Belgium
Dr. Ignace Debruyne, Technical Marketing Consultant, ID&A, Belgium
Mrs. Marleen Dehasque, Global Product Manager Aqua Nutrition, Adisseo, Belgium
Mr. Hadrien Delamazure, Process Engineer, Clextrol, France
Mr. Eric De Muylder, Shrimp & Aquaculture Consultant, CreveTec, Belgium
Mr. Freddy Holle, Regional Sales Manager, Rotex Europe, the Netherlands
Dr. Paraskevi (Vivi) Koletsi, Global Aqua Technical Support, Alltech Coppens, the Netherlands
Mr. Stefan Lungwitz, Engineering Department, Amandus Kahl, Germany

Mr. Koen Meynen, Senior Scientist, Kemin Europe, Belgium
Dr. Süreyya Özkizilcik, Aquaculture Nutrition Expert, Nutra Yem, Turkey
Dr. Maygane Ronsmans, Product Manager Animal Nutrition, BENE0-Animal Nutrition, Belgium
Mrs. Orsolya Sørensen, Product Manager for Extruders, Andritz Feed & Biofuel, Denmark
Mr. Mark van der Veeken, Product Manager for Dryers, Andritz Feed & Biofuel, the Netherlands
Mrs. Carine van Vuure, Manager Nutrition & Regulatory Affairs, Darling International, The Netherlands
Mr. Arthur vom Hofe, Sales Manager Oilseeds Division, CPM Roskamp Champion, the Netherlands
Mrs. Alexandra Warrington, Senior Coordinator - Feed Standard, ASC Aquaculture Stewardship Council, U.K

TECHNICAL PROGRAM

DAY 1: Monday, April 8, 2024

9:00 *Opening Remarks*

MARKET TRENDS AND FEED INGREDIENTS

9:10 **Current and Future Market Trends in Aquaculture Feed**, *Dr. Ignace Debruyne, ID&A, Belgium.*

9:40 **ASC Responsible Feed Standard - A Holistic Approach to Addressing the Impacts of Aquafeed**, *Mrs. Alexandra Warrington, ASC Aquaculture Stewardship Council, the Netherlands*

PRACTICAL CONSIDERATIONS IN FEED FORMULATION

10:10 **Fish Nutrition, Anti-Nutrition and Interactions**, *Dr. Süreyya Özkizilcik, Nutra Yem, Turkey*

10:40 *Coffee/Tea Break & Networking*

11:10 **New Protein Sources for Aquafeed**, *Mr. Eric De Muylder, CreveTec, Belgium*

11:40 **The importance of Digestibility Enhancers in Current Aquafeed Formulations**, *Mrs Marleen Dehasque, Adisseo, Belgium*

12:10 *Lunch Break and Networking*

DISEASE PREVENTION AND MANAGEMENT

14:00 **Organic Trace Minerals Effects in Shrimp and Fish Health and Feed Interactions**, *Dr. Paraskevi (Vivi) Koletsj, Global Aqua Technical Support, Alltech Coppens, the Netherlands*

14:30 **Exploring Prebiotics to Support Fish and Shrimp Performance**, *Dr. Maygane Ronsmans, Beneo Animal Nutrition, Belgium*

FEED MILL MANAGEMENT and QUALITY ASSURANCE

15:00 **Feed Mill Management and setup for Competitive Market Access**, *Mr. Hans Boon, Aquaculture Experience, the Netherlands*

15:30 *Coffee/Tea Break & Networking*

16:00 **Combining Quality Control with Artificial intelligence (AI): Minimizing Waste in the Extruder Process**, *Mrs. Raven Brackx, BESTMIX, Belgium*

16:30 **Critical Issues in Shrimp Feed Production Technology**, *Mr. Eric De Muylder, Crevetec, Belgium*

17:00 **Importance of Lipid Nutrition in Aquafeed: Lipid Oxidation and Stabilization Strategies**, *Mr. Koen Meynen, Kemin Europe, Belgium*

17:30 *End of Day 1*

DAY 2: Tuesday, April 9, 2024

INGREDIENTS AND FORMULATION

9:00 **The Changing Landscape of Aquafeed Composition - Novel Protein and Oil Sources**, *Mr. Hans Boon, Aquaculture Experience, the Netherlands*

10:00 **Use of Land Animal Proteins (LAP) in Aquafeed**, *Mrs. Carine van Vuure, Darling International, The Netherlands*

10:30 *Coffee/Tea Break & Networking*

11:00 **Marine Peptides to Boost Palatability and Growth Performance in Aquaculture**, *Dr. Panos Kalatzis, Adisseo, Greece*

PREPARING for EXTRUSION

11:30 **Grinding for Feed Prior to Extrusion – Feed Pelletization**, *Mr. Arthur vom Hofe, CPM Roskamp Champion, the Netherlands*

12:00 **Proper Screening Allows Good Nutritional Quality Feed, Optimizes Production, and Reduces Losses**, *Mr. Freddy Holle Rotex Europe, The Netherlands*

12:30 *Lunch Break and Networking*

EXTRUSION TECHNOLOGY

13:30 **Conditioning and Extruding Floating and Sinking Feeds**, *Mrs. Orsolya Sørensen, Andritz Feed & Biofuel, Denmark*

14:40 **High Fat Extrusion for Food and Feed Applications**, *Mr. TBN, Extru-Tech, U.S.A.*

14:30 **Micro-Feed Production Technologies**, *Dr. Süreyya Özkizilcik, Nutra Yem, Turkey*

15:00 *Coffee/Tea Break & Networking*

15:30 **Making Floating and Sinking Feed using Twin Screw Technology**, *Mr. Hadrien Delamazure, Clextrel, France*

POST EXTRUSION PROCESSES

16:00 **Drying of Aqua Feed Post Extrusion**, *Mr. Mark van der Veecken, Andritz Feed & Biofuel, Denmark*

16:30 **New Gentle Coating Technology for Fish Feed**, *Mr. Stefan Lungwitz, Amandus Kahl, Germany*

17:00 **Proper Preparation - Dosification - Mixing of Macro - Minor and Micro Ingredients and Liquids for Specialty Feeds**, *Mr. Josef Barbi, E.S.E. Intec, U.S.A.*

17:30 **Post Processing - Handling and Storage of Quality Extruded and Pelleted Feeds**, *Mr. Josef Barbi, E.S.E. Intec, U.S.A.*

18:00 *End of Short Course*

**OPTION - DAY 3: April 10, 2024 (separate registration; max 25 participants) - Training and Visit at CREVETEC
"Eric's Gamba's" Shrimp Farm**

- 8:00 **Travel to CREVETEC Shrimp Farm** - *Coffee & Croissants at Arrival*
- 9:00 **Technical Presentations and Interactive Discussion, Mr. Eric De Muylder and co-workers**
 – Introduction
 – Shrimp farming Techniques
- 10:30 *Coffee/Tea Break / Belgian Chocolates*
- 11:00 **Technical Presentations and Interactive Discussion, Mr. Eric De Muylder and co-workers**
 – Shrimp Nutrition and Feed Management
 – Overview of shrimp feed trials at the CreveTec test centers during the last 10 years
- 12:30 *Lunch with local shrimp*
- 13:30 **Technical Presentations and Interactive Discussion, Mr. Eric De Muylder and co-workers**
 – Shrimp Hatchery Techniques
 – Shrimp Farming with Bioflocs
 – The CREVETEC Shrimp Farming System
- 14:30 **Visit the CREVETEC Shrimp Farm, maturation and hatchery**
- 16:00 **Belgian Beer tasting**



REGISTRATION

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|-----------------------|-------------|---------|--|
| First Name for Badge | | | |
| First Name | | | |
| Last Name/Family Name | | | |
| Job Title | | | |
| Company | | | |
| Address | | | |
| City/State/Province | Postal Code | Country | |
| Business Phone | Fax Number | | |
| E-mail | | | |
| Company VAT number | | | |

REGISTRATION INFORMATION

Full Registration includes access to all presentations, short course manuals, lunch and coffee breaks

EARLY BIRD Registration (ON or BEFORE 17 March 2024) 795 EUR

STANDARD Registration rate (AFTER 17 March 2024) 945 EUR

ZOOM Registration (ON or BEFORE 17 March 2024) 495 EUR

ZOOM Registration (AFTER 17 March 2024) 595 EUR

Academic and Student rates on demand - Group registration rates: 10 % off for three or more; 20% off for five or more

Registration fee optional CREVETEC program & visit:

Full Registration includes access to all presentations, lunch and coffee breaks; prices in EUR; trip will be organized and charged separately

Early Bird Registration CREVETEC (ON or BEFORE 17 March 2024) 450 EUR

REGULAR Registration CREVETEC (AFTER 17 March 2024) 500 EUR

Payment by Bank Transfer

Ignace Debruyne & Associates – SMART SHORT COURSES

KBC Bank, Izegem, Belgium

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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 EUR handling cost

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

