



Day 1 - April 21st, Tuesday

5th **Biobased Chem Asia**

- 08:00 Registration and Coffee
- 09:00 Chairman's Remarks
- 09:10 **Impact of Shale Gas Abundance & Current Crude Oil Prices on Biobased Chemicals Market Development and Investments in Asia**
- Emerging technologies to drive competitiveness of bio-based chemicals
 - Opportunities and challenges the bio-based chemicals market for C2, C3, and C4 chemicals
 - Finding additional value propositions for bio-based chemicals, aside from cost savings
- Meraldo Antonio, Research Associate
Lux Research - Asia Pacific Pte Ltd*
- 09:45 **Securing Investment & Forging Partnership in the Asian Biobased Economy**
- What are the opportunities in Asia?
 - How effective are government initiatives in the development of biobased markets?
 - Investment consideration
 - Feedstock availability/tax incentives/ready markets & etc
 - Success factors in the establishment of Verdezyne's Bio-based DDDA Plant in Malaysia
- Brian Conn, Chief Financial Officer
Verdezyne, Inc.*
- 10:20 Discussion followed by Networking Refreshments

- 10:50 **What is the future of Sebacic Acid?**
- The structure and economics of the market from feedstock to end use
- Roland Glotzer, Global President - Sebacic Acid & Derivatives
Arkema*
- 11:25 **Key Factors for Successful Biorefinery Joint Ventures in Asia, From Scale Up to Commercialisation: Case Study of Elevance's Olefins Metathesis-Based Bio-Refinery in Indonesia & Malaysia**
- Importance in role of respective stakeholder, in knowledge transfer/technology, ensuring feedstock availability & offtake
 - Understanding and meeting demands of industry & consumers
- Dr. Mel Luetkens, COO
Elevance Renewable Sciences, Inc.*
- 12:00 **Prospects in Oleo Chemicals Market**
- Update on feedstock options, availability, economics, sustainability & securing supply agreements for oleo chemical production in the region
 - Anticipating future demand based on consumer trends
- 12:30 Discussion followed by Networking Luncheon
- 13:55 Afternoon Chairman's Introduction
- 14:00 **Developing the Market for Bio-based Chemicals in Asia: Case Study of Bio-Amber's Bio-Succinic Acid**
- Mukund Rao, General Manager - Asia
Bioamber Inc*

14:30 **Biobased Succinic Acid: Status Quo and Outlook**

Succinity
BIOBASE YOUR SUCCESS

*Markus Hummelsberger
Marketing and Sales Director, Succinity
Succinity GmbH*

- 15:00 **Bio-Acrylic Acid Commercial Scale Development**
- Existing end use markets demand of acrylic acid and the potential for conversion to biobased
- 15:30 Discussion followed by Networking Refreshments
- 16:00 **Bio-Based Aromatics Scale Up**
- Update on Feedstock, Production Cost & Economics
- Anellotech Inc*
- 16:30 **Bio Butanol Market Outlook in Asia**
- Feedstock options & availability in the region
 - Production from non-food biomass
- 17:00 Discussion followed by End of Day 1

Day 2 - April 22nd, Wednesday

5th **Biobased Chem Asia** & 9th **BioPlastics Markets**

(Combined Session with 9th Bio Plastics Markets)

- 08:00 Registration for BioPlastics Markets
- 09:00 Morning Chairman's Welcome & Remarks
- 09:10 **Advances in Sustainable Feedstock & Their Supply Chain**
- Economics & sustainably supply - Cellulosic biomass, rice husks, cassava, castor oil, elephant grass & etc
 - Technology innovations & conversion economics
- 09:40 **Sustainable Feedstock Production - A Look at Sustainable Sugarcane Value Chain**
- Sustainability and its significance for the feedstock production value chain
 - Sugarcane value chain: Social, economic and environmental aspects of sustainable sugarcane production
 - Sustainable certification for the whole value chain - case study of Farmer Support Program
 - The role of Research, Development, and technology transfer to reach Sustainability aspects of cane, sugar, and byproducts
- EID Parry India Ltd*
- 10:15 Discussion followed by Networking Coffee
- 10:45 **Patented Platform for Economically Viable, CAPEX and OPEX, Industrial-scale Algae Biomass Production**
- Commercialising production of high value products & plastics from algae feedstock
 - Updates on project development & products
 - Availability & economics
- Miguel Verhein, Executive Director
Algasol Renewables SL*



11:15 **Asia Palm Oil Market Outlook & Value Creation from Malaysia's Palm Biomass Waste**

- Palm oil prices & impact on biobased products

11:45 **Outlook & Developments in Isosorbide Feedstock for Biobased Purpose**

Dr. Yong Miao, *Biopolymer Chemist*
Roquette Shanghai

12:15 Discussion followed by Networking Lunch



13:45 Afternoon Chairman's Remarks

13:50 **PLA Market Outlook in Asia**

- Techno-Commercial Development Driving Growth: Application & PLA's replacement of PS, PP & ABS
- Update on production capacity

Derek Atkinson
Business Development Director PLA Asia
Corbion Asia Pacific Pte Ltd

14:20 **Dairy Home's Experience in Adopting Bioplastic Packaging**

- Drivers for switching to bioplastic food packaging
- Managing consumer expectations & sustainability objectives
- Cost comparison & economics
- Range of products / % of bioplastics used in their packaging
- What are the challenges faced?

Pruitti Kerdchoochuen, *Managing Director*
Dairy Home

14:50 **Degradable Packaging & Plastic Ban as a Solution to Littering**

Yves Soppelsa
Sustainable Packaging Platform leader
Nestle R&D Center Pte Ltd

15:20 Discussion followed by Networking Coffee

15:50 **Evolution of Bioplastics Market – Value Drivers and Target Applications**

- Bioplastics market developments
- Key drivers moving the industry forward
- Feedstock diversification, including biogas

Kasina Samdaengdech
Business Development Manager
Natureworks Asia Pacific Limited

16:20 **Indonesia's Bioplastic Market Outlook**

Sugianto Tandio, *Founder & CEO*
PT Tirta Marta

16:50 **PBS Market Outlook in Asia**

- Opportunities, applications & capacity
- Accomplishments in joint venture with PTT

Takehiko Bando, *Director of Strategy & Planning, Sustainable Resources Business Development*
Mitsubishi Chemical Corporation (Head Office)

17:20 Discussion followed by End of Day 2

Day 3 - April 23rd, Thursday



09:00 Chairman's Welcome & Remarks

09:05 **Opportunities & Barriers for China Bioplastic Market Growth**

- Consumer preference trends & demand outlook
- Working around financial resources, feedstock and limitation in China
- Update on Government policies & its impact

09:40 **Effective Partnerships for Demand Generation and Market Adoption of Bioplastics**

- Bioplastics Fundamentals: Biobased vs Compostable, regulatory drivers/legislation, and their implications for Bioplastics
- Lessons learned from successful public-private partnerships to drive demand generation in North America
- Video of a pilot project implementation
- Overview of the partnership with NatureWorks for the Indian sub-continent, and initial project focus
- Key takeaways for driving adoption of bioplastics in cost-sensitive developing markets

Vineet Dalal, *Vice President & Director of Global Market Development*
Natur-Tec (A division of Northern Technologies International Corporation)

10:10 **Future of PHA Biopolymer from Waste Cooking Oil**

- Technology
- New challenges for Hydal BioTech
- Feedstock availability
- Low carbon and energy saving solution for production process
- Performance, balance of costs

Future market trends and application portfolio
Dr. Lenka Mynarova, *Member of Board, Suzhou Hydal BioTech and*
NAFIGATE Corporation, a.s.

10:40 Discussion followed by Networking Coffee

11:10 **Market Pull for Bioplastic for Automotive Makers**

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11:40 **PEF, a Novel 100% Biobased Packaging Material**

- Performance benefits of PEF over PET
- Update on recent developments & partnerships in PEF applications
- Establishing the production chain of a novel polymer

Nathan Kemeling
Director Business Development
Avantium Chemicals BV

12:10 Final Discussion followed by Closing Lunch

13:30 End of Conference

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