

Day 1 - April 21st, Tuesday

5th Biobased Chem Asia

08:00 Registration and Coffee

09:00 Keynote Address

Dr. Ajit Sapre
Group President, Research & Technology
Reliance Industries Limited

09:10 Chairman's Remarks

Bas Melssen, Director, Biomass Conversion
Novozymes Malaysia Sdn Bhd

09:20 **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

09:55 **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.

10:30 Discussion followed by Networking Refreshments

11:00 **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
CASDA Biomaterials

11:35 **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.

12:10 **Renewable Diesel**

- Challenges and solutions
 - Renewable products - the cleantech business
 - Renewable NEXBTL products
 - Renewable raw materials and research
 - Production capacity
- Kelvin Lai, Marketing Manager, Asia-Pacific
Neste Oil Singapore Pte Ltd

12:40 Discussion followed by Networking Luncheon

13:55 Afternoon Chairman's Introduction

Brian Conn, Chief Financial Officer
Verdezyne, Inc.

14:00 **Developing the Market for Bio-Based Chemicals in Asia: Case Study of Bio-Amber's Bio-Succinic Acid**

Mukund Rao, Global Product Manager,
Renewable Chemicals
Vinmar International

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



Markus Hummelsberger
Marketing and Sales Director, Succinity
Succinity GmbH

15:00 **Bio-chemicals and Biofuel: Opportunity and Challenges- One Perspective**

Dr. Ajit Sapre
Group President, Research & Technology
Reliance Industries Limited

15:30 Discussion followed by Networking Refreshments

16:00 **Bio-Based Aromatics Scale Up**

- Update on Feedstock, Production Cost & Economics
- Anatoly Garelik
Director, Planning & Alliance Management
Anellotech Inc

16:30 **Bio-Acrylic Acid Commercial Scale Development**

- Existing end use markets demand of acrylic acid and the potential for conversion to biobased
- Chommanad Thammanayakatip
Managing Consultant
Nexant Asia Limited

17:00 **Bringing Bio-Based Levulinic Acid to the Market**

Marcel van Berkel, Chief Commercial Officer
GFBiochemicals

17:30 Discussion followed by End of Day 1

17:50 - 18:50

Networking Cocktail Reception
for All Speakers & Participants

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
Markus Hummelsberger
Marketing and Sales Director, Succinity
Succinity GmbH

09:10 **Advances in Biomass Feedstock and Supply Chains for the Biochemical Industry**

- Importance, technology advances and key considerations for developing fermentable sugars and bio chemicals supply chains
- Bas Melssen, Director, Biomass Conversion
Novozymes Asia Pacific

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
- Dr. Manjunatha S Rao
Associate Vice President - R&D
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
Algalos Renewables SL

11:15 **Asia Palm Oil Market Outlook & the Impact on Biobased Products**

- Possibility of making bio products from palm and biomass - key areas
 - Will price of crude oil hinder growth?
 - Future drivers?
- Chris de Lavigne, Global VP, Industrial Practices
Frost & Sullivan

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

Dr. Yong Miao, Biopolymer Chemist
Roquette Shanghai

12:15 Discussion followed by Networking Lunch

9th **BioPlastics Markets**

- 13:45 Afternoon Chairman's Remarks
Vineet Dalal, Vice President & Director of Global Market Development
Natur-Tec (A division of Northern Technologies International Corporation)
- 13:50 **PLA Market Outlook in Asia**
• Techno-Commercial Development Driving Growth: Application & PLA's replacement of PS, PP & ABS
• Update on production capacity
Stefan Barot
Business Director Bio-Plastics Asia-Pacific
Corbion (Purac)
- 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

9th **BioPlastics Markets**

- 09:00 Chairman's Welcome & Remarks
Stefan Barot
Business Director Bio-Plastics Asia-Pacific
Corbion (Purac)
- 09:05 **Opportunities & Barriers for China Bioplastic Market Growth**
Nattakarn Choo-Mai, SEA Business Development Manager (Specialties Polyamides)
Arkema Pte Ltd (Thailand Branch Office)
- 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 **Nanocellulose Materials Application for Light Weighting Vehicles**
• Benefits, physical properties & application areas
• Inhibitors to market development
• Cost & economics
Stamatina Sideri, Client Services
American Process Inc.

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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