

5th Biobased World 2016 Chemicals and Plastics

9 -11 May
Bangkok, Thailand
Sofitel Bangkok Sukhumvit

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Day One - Monday, May 9th

6th Biobased Chem Asia

08:00 Morning Registration & Coffee

09:00 Chairman's Welcome & Remarks

09:10 Dynamics of the Bio-based Chemical Business

- What is driving the development of bio-based chemicals in the midst of low oil prices?
- Where will the production be located in 2025? (Asia vs. US vs. Europe vs. Latin America)
- What does the future hold for Biobased Chemicals & BioPlastics, especially in Asia?

Henna Poikolainen
Poyry Management Consulting

09:40 Managing Bio-based Investment Amid Low Crude Oil Price: A Palm Producer Perspective

Dr Hirzun Mohd Yusof, Vice President I, Integrative and Applied Biology, Sime Darby Sdn Bhd

10:15 Discussion Followed by Networking Refreshment

10:55 Bio-Succinic Acid Demand Trends & Key Growing Applications

11:25 Sustainable Biobased ECH to Improve the Environmental Impact of Products

Pan-Usa Kongmunwattana
Marketing Manager
Advanced Biochemical (Thailand) Co., Ltd.

12:05 **Bio-Refinery Development in Asia**

- Feedstock conversion & technology advancement
- Competitive advantage & economics
- Current projects and development

12:40 Discussion followed by Networking Luncheon

14:10 Technology Updates & Commercial Scale Up of Biobased BDO & Butadiene

14:40 Partnerships in Bio-Economy: From Bio-based Monomer to High-tech Polymers

- Biobased TPUs
 - Biobased aliphatic isocyanates for polyurethane applications
 - Biobased aromatics
- Ruijing Guo, Innovation Manager
Covestro Polymers (China) Co., Ltd

15:10 Perspective of Drop-in Biobased Chemicals in High-Value Application

15:40 Discussion followed by Networking Refreshment

16:10 Biobased Specialty Chemicals Market Outlook in Asia

- Technology advancement, applications & adoption/substitution trends
- Feedstock proximity advantage in the region

Dr. Aaron Kelley
Senior Director, Business Development
Amyris Inc.

16:40 **Financing Biobased Chemicals**
Daniel Auriel, Investment Manager
Capricorn Venture Partners n.v.

17:15 Discussion followed by End of Day One

Day Two - Tuesday, May 10th

6th Biobased Chem Asia and 10th BioPlastics Markets

08:00 Morning Registration & Coffee

09:00 Chairman's Welcome Remarks

09:10 Regional Outlook & Availability of Feedstock for Biobased Chemical Development in Asia

Chris DeLavigne, Principal – Strategy
KPMG Services Pte Ltd

09:40 Entering into Commercialization – Biomass/Lignin Utilization for Biobased Materials & High Performance Products

- 100 % biobased adhesives (formaldehyde free)
- Lignin-derived carbon fibres
- Engineered diced pellet with exceptional polymer reinforcement to Polyolefin compounds
- Bioplastics from biomass residues (wine pomace and kiwi fruit residues)
- Bioplastic alternative to expanded polystyrene (EPS)
- The future - 3D printing of biobased polymers

Dr. Florian Graichen, Science Leader
Biobased Polymers and Chemicals
Scion

10:20 Pretreatment (Enzymatic) Conversion Technology Development

10:50 Discussion followed by Networking Refreshments

11:30 **Make Plastics From Air: Latest Trends and Development to use Methane/CO₂ as Bio-based Feedstock**

12:00 **Leveraging Sugar/Starch-based Feedstock as Value-added Bio-based Products**

12:30 Networking Lunch

14:00 Afternoon Chairman's Introduction

14:05 The Current Status of BioPlastic Industry in Thailand

- Why we need BioPlastic
 - Thailand as the BioPlastic hub
 - Multibax BioPlastic projects update
- Pisuth Lertvilai, Deputy Managing Director
Multibax Co Ltd
Vice President
Thai Bioplastics Industry Association (TBIA)

14:35 ITC Green Packaging Initiatives

- Use of sustainable raw material in packaging solutions
- Ashwani Kumar
Chief – Design and Packaging
ITC Limited

15:05 Discussion Followed by Networking Refreshments

15:45 Role of Bio-Polymers in IKEA's Business Direction

- IKEA latest gas-to-plastics technology development
 - Prospect of biopolymer use in home furnishing products
 - IKEA's commitment to sustainability
- Puneet Trehan, Material Innovation & Development Leader
IKEA of SWEDEN

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16:15 Viyellatex Green Manufacturing and Opportunities for Bio-based Materials

- The use of sustainable materials in Viyellatex Group companies
- The challenges and opportunities to utilize sustainable materials in textile manufacturing

David Hasanat, Chairman
Viyellatex Group

16:45 Technology Developments of Biobased Polyamides in Textile

- Product innovations and applications
- Update on Cathay's diacid, diamine and polyamide commercialization expansion

Alex Kedo, COO
Cathay Industrial Biotech Ltd

17:15 Discussion Followed by End of Day Two

Day Three - Wednesday, May 11th

10th BioPlastics Markets

09:00 Chairman's Introduction

09:05 Case Study on Levis' Implementation of Bioplastic Packaging

Vineet Dalal, VP & Director of Global Market Development
Natur-Tec

Senior Representative, Levis

09:35 Partnering to Advance the Development and Commercialization of Cost-Competitive Bioplastics Beverage Bottles

Dr. David Sudolsky, President & CEO
Anellotech Inc

Yasuhiko Akanuma, Deputy General Manager
New Packaging Technology Development Dept.
Suntory

10:05 BioPBS Market Outlook and Applications Development

- Mitsubishi Chemical's strategy to utilize bio/sustainable resources
- BioPBS present and future applications
- Introduction of a new bio-polycarbonate diol

Dr. Hiroshi Sano, Deputy General Manager
R&D Planning Dept
Petrochemicals Planning Div
Mitsubishi Chemical Corporation

10:45 Discussion Followed by Networking Refreshment

11:15 Outlook and Trends in BioMEG Bio-MEG acceptance and Usage in the Bioplastics Segment

Sanjeev Gurwara, Vice President (Marketing)
India Glycols Limited

11:45 Economics and Challenges to Adopt BioPLA Cup for Juice Beverage

12:15 Final Discussion Followed by Closing Lunch

13:45 End of Conference

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6th Biobased Chem Asia: 9-10 May	1995.00
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Conference 1	(USD)
6th Biobased Chem Asia: 9-10 May	1495.00
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"Smart Investments in Biobased Economy amid Low-Cost Crude Environment"

"Indonesia, Malaysia, and Thailand – the three largest producers of palm oil – are parlaying their natural strengths into the emerging BBMC space. Malaysia is focusing on new oleochemicals while Thailand is focusing on bioplastics; Indonesia has ample feedstock but presents more challenges due to a lack of government support for bio-based chemicals."
~ Lux Research

With an abundant agriculture biomass feedstock, ready to be value-added to bioplastics and materials, Asia is set to be the ideal production hub to marry technology and feedstock. Against the backdrop of low oil prices, companies are setting goal of long term sustainable returns for their bio-based investments. Recently, Verdezynne and Sime Darby sealed an agreement of a bio-based dodecanedioic acid (DDDA) production plant in Malaysia, and the product is to be distributed through Asia Pacific, especially China, Japan and South Korea.

Gain insights and the latest on the following:

- **Sime Darby's perspective** on how they balance bio-based investment in their palm oil supply chain
- Developing **solid bio-based partnership** as well as **financing secured**
- Prospects of **bio-based specialty chemicals**, especially in Asia

- Evaluate availability & competitive economics of **Asia's bio-based feedstock**
- Commercialized utilization of **Lignin for high performance products**
- **Thailand Bioplastics Industry Association (TBIA)** to reinforce the country's role as the region's bioplastics hub
- **Top Brand owners from - Levis, Suntory, IKEA, Viyellatex, ITC** to share their experience on utilizing bioplastics along their manufacturing and business value chain
- **Cathay Industrial Biotech** to showcase latest Bio-Polyamides technology development and application in textile
- **Anellotech** to share partnering experiences with Suntory for their bioplastics beverage bottles
- Uncover potential future applications of BioPBS with **Mitsubishi Chemical**
- **India Glycols** to discuss the growing prospect of Bio MEG in bioplastics

Do not miss this event that brings together leading Asian and global industry experts to present business case studies, investment opportunities, latest innovations, trends and applications in the bio-based chemicals and materials sphere.

Register NOW with your team to enjoy group discounts!

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