

6th Biobased Chemicals & Plastics

19-22 June 2017 / Bangkok, Thailand

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Day 1 - 19 Jun 2017, Monday

7TH BIOBASED CHEM ASIA

- 08:00 Morning Registration & Coffee
- 09:00 Chairman's Introduction and Welcome Remarks
- 09:10 **PTT Group's Biochemical Plan Developing a Biochemical Hub in Thailand**
*Dr. Chaya Chandavasu
Senior Vice President, Science & Innovation
PTT Global Chemical Public
Company Limited*
- 09:45 **Bio Propylene Market and Supply/Demand Outlook**
*Mr. Sujit Panvongpaiboon, Vice President,
Chemical Department
Toyota Tsusho (Thailand) Co., Ltd.*
- 10:15 **ChemBio Route to Produce 1,3-Butadiene from Sugars**
 - Deconstruction of biomass for glucose and xylose
 - Converting Xylose to Erythritol by using the osmotolerant yeast, *Yarrowia Lipolytica*
 - Converting Erythritol to 1,3-butadiene through derivatization and chemical catalysis with a yield of > 70%*Dr. Vidhya Rangaswamy, Vice President
Reliance Industries Limited*
- 10:45 Discussion followed by Networking Refreshments

- 11:15 **Biobased Chemicals in Asia: Opportunities and Trends**
 - Attractiveness of biorenewables in Asia
 - Important examples of projects and partnerships and challenges in industrialization
 - Asian Investments in a global context*Ms. Chommanad Thammanayakatip
Consultant
Nexant Asia Limited*

- 11:45 **Opportunity of Biobased Ingredients to Drive Home Care Market Growth**

- 12:15 Discussion followed by Networking Lunch

- 13:40 Afternoon Chairman's Introduction

- 13:45 **Biobased Materials & Chemicals: Where is South East Asia Headed?**

- 14:15 **Latest Production of CO₂-based Polyols Building Block**

- Market response
- Replacing 20% petroleum with CO₂
- Challenges of using CO₂ directly as raw material

*Dr. Ruijing Guo, Innovation Manager
Covestro Polymers (China) Co., Ltd*

- 14:45 **Bio-MEG – A growth driver for Bio-PET segment**

- PET/MEG – Market size and forecast
- Conventional MEG Vs Bio-MEG – A comparison
- Products attributes, manufacturing and end use applications
- Renewable bio-based feedstock options
- Future developments – Gen-2 Bio-MEG from Lignocellulosic Biomass
- Bio-PET-Current market size, emerging trends and opportunities

*Mr. Rajesh Marwaha, SBU Head
(International Business)
India Glycols Limited*

- 15:15 Discussion followed by Networking Refreshments

- 15:45 **Plant Based Ingredients to Achieve Naturalness and Sustainability in Personal Care**

- 16:15 **Latest E-Certification to Monitor Bio-based Materials in the Chemical Industry**

- A new online tool to track bio-based raw materials usage in products
- Certification and assurance for bio-based content across the value chain
- Example to track biobased ECH in epoxy coatings
- Increased transparency and encourage companies to use more sustainable raw materials

*Mr. Prakrit Sangthongnotai
Epicerol Growth Project Manager
Advanced Biochemical (Thailand)
Co., Ltd.*

- 16:45 Discussion followed by End of Day One

Day 2 - 20 Jun 2017, Tuesday

7TH BIOBASED CHEM ASIA AND 11TH BIOPLASTICS MARKETS

- 09:00 Chairman's Introduction

- 09:10 **Thailand Bioeconomy & Bioplastics Development – Implication**

- Industry development trends and its sustainability

*Mr. Kittiphong Limsuwanarot, President
Thai Bioplastics Industry Association
(TBIA)*

- 09:40 **Asian Markets for Biobased Chemical Building Blocks and Polymers**

- Supply & demand
 - Market share and market segment
 - Production capacity
- Dr. Wolfgang Baltus, Founder
Wobaltextpedition Consultancy*

- 10:10 **Feedstocks for Biobased Chemicals: Which will be Competitive?**

- Analysis of individual feedstock and availability

- Cost competitiveness
- Logistics and processing

*Ms. Henna Poikolainen, Senior Consultant
Pöyry Management Consulting Oy*

- 10:40 Discussion followed by Networking Refreshment

- 11:10 **Cost Effectiveness of Second Generation Woody Biomass Feedstock**

- Value out of lignin
- Suitability for catalytic and fermentation processes
- Production of new and growing sustainable bio-materials (PLA, PEF, PBAT, PHA)

- 11:40 **Availability and Prospects of Cassava for Bioplastics Production**

- Cassava availability and prospect
- Regulation of plastic bag in Indonesia
- Enviplast starch based bioplastics bag from cassava

*Dr. Asmuwahyu Saptoraharjo
Technical Consultant
Enviplast*

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12:10 **Strategies and Sources to Attract Private Equity for Bio-Based Projects**

*Ms. Babette Pettersen
Chief Business Development Officer
Capricorn Venture Partners n.v.*

12:40 Discussion followed by
Networking Lunch

11TH BIOPLASTICS MARKETS

14:00 Afternoon Chairman's Introduction

14:10 **Role of Bioplastics in the New Plastics Economy**

- Bioplastics industry overview
- Strategies to achieve New Plastics Economy
- New Ingeo application including 3D printing

*Mr. Ian Toh, Commercial Director, APAC
NatureWorks LLC*

14:35 **Market Demand for Bioplastics in India**

- Regulations and drivers for bioplastics in India
- Plastics waste management
- New applications and markets
- Natur-Tec latest innovation and technology

*Dr. Sunder Balakrishnan, Director
Natur-Tec India Pvt Ltd*

15:05 Discussion followed by
Networking Refreshments

15:45 **China's Emerging PLA Production & an Update on Total Corbion Project in Thailand**

- China's corn surplus and opportunity
- China PLA commercial plants capacity and update

- Total Corbion's plan and production in Thailand
 - Latest conversion technology
- Dr. Jim Jem, Greater China GM
Total Corbion PLA Ltd.*

16:15 **PEF Polymer and PEF Film - 100% Bio-based Gas Barrier Material**

- 100% Bio-based polyester
- PEF Improved gas barrier properties
- Latest and innovative applications
- Toyobo's collaboration with Synvina & Mitsui and future plans

*Mr. Shoichi Gyobu, Manager, Planning Group, Corp R&D Administration Dept
Toyobo Co., Ltd.*

*Dr. Katsuya Ito, Senior Chief Researcher of Films Tecnology Center
Toyobo Co., Ltd.*

16:45 Discussion followed by End of Day Two

Day 3 - 21 Jun 2017, Wednesday

11TH BIOPLASTICS MARKETS

09:00 Chairman's Introduction

09:10 **Prospects of Bamboo Fiber-PP Composites for Automotive & Construction Applications**

- Environmentally friendly process for natural bamboo production
- Bamboo fiber-PP composite for package tray production
- Bamboo fiber composite for acoustic insulation applications
- Prospects of bamboo fiber and other natural fiber composites

*Dr. Suteera Witayakran, Researcher
Kasetsart University*

09:40 **Latest PBAT Trends and Application in Courier Delivery**

- China booming market and demand for biobased courier packaging
- China's adoption of bioplastics, penetration level and challenges
- Prospect and demand in Asia region

*Ms. Janice Li, President
JinHui Zhaolong High Technology Co. Ltd.*

10:10 **Nestle's Packaging Innovation and Materials Optimisation**

*Ms. Kasma Torrarit, Head of Packaging
Nestle Thai Ltd*

10:40 Discussion followed by
Networking Refreshments

11:10 **BioPBS Drop in Polymer Applications Growth Potential**

- Key Applications
 - Market share and demand in the region
 - PTT MCC's production capacity
- Fabien Resweber, VP, Sales & Marketing
PTT MCC Biochem Co., Ltd*

11:40 **Packaging Material, Recycling Potential and End of Life Options**

- Demand and opportunity of Bio-Plastics in packaging
- Special challenges in the home care packaging market
- Bioplastics end-of-life challenges
- How to incorporate bioplastics into existing recycling stream?

*Mr. Stefan Barot, Business Director
Bio-Plastics Asia-Pacific
Total Corbion PLA BV*

12:10 Discussion followed by
Networking Lunch

13:30 End of Conference

22 Jun 2017, Thursday

SEPARATELY BOOKABLE

Site Visit to **Total Corbion PLA Plant**

- 08:30 Depart from hotel to Total Corbion PLA plant
- 11:00 Introduction
- 12:00 Lunch
- 13:00 Bus tour of the production area
- 14:00 Depart back to hotel
- 16:30 Arrive at hotel

3 Ways To Register

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6th Biobased Chemicals & Plastics: 19 - 21 Jun 1895.00

Site Visit to Total Corbion PLA Plant: 22 Jun 125.00

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