

# **The 8<sup>th</sup> International Conference of Technology & Application of Biodegradable and Bio-based Plastics (ICTABP8) & Annual Meeting for Degradable Plastics Committee of CPPIA**

**Oct. 21-23, 2018, Beijing, China**

The 8<sup>th</sup> International Conference of Technology & Application of Biodegradable and Bio-based Plastics (ICTABP8) will be held on Oct.21-23, 2018 in Beijing China.

The use of bio-based and biodegradable materials is increasing rapidly, in response to consumer's desire for products that have "Low Carbon" footprint and are safer for the environment. Around the world, more countries are implementing policies to promote the production and use of these materials. In China, bio-based materials and nanomaterials are included in the new material frontier research field in the "Made in China 2025" strategy. Jilin Province began to enforce "plastic ban order" in Jilin from Jan.1, 2015, which promotes the use of biodegradable plastic bags and disposable tableware. Major bio-based materials projects of the National Development and Reform Commission (NDRC) have initiated demonstration application in Changchun, Wuhan, Shenzhen and Tianjin Cities. Biodegradable mulching film has been tested in some provinces including Xinjiang, and Yunnan. Also, bio-based 3D printing materials have attracted the attention around the world.

The first ICTABP was held in 2004 in Chengdu, and the following conferences have been held every two years since. So far more than 2,000 participants attended the conferences. ICTABP has become an important conference by providing a venue for scientific discussions and for business opportunities for biodegradable and bio-based materials. More than 300 people are expected to attend the conference this year.

We plan to invite experts from around the world to share their insights with conference participants. Government officials will also participate in the conference.

Concurrent with the ICTABP8, the annual meeting of the 2018 Degradable Plastics Committee of CPPIA will be conducted too.

## **Conference dates:**

October 21-23, 2018

## **Organized by:**

china plastics processing industry association(CPPIA)

Degradable Plastics Committee of CPPIA (DPC)

Biodegradable and Biobased Materials Group, China (BMG)

Biodegradable Products Institute, USA (BPI)  
Japan Bioplastics Association, Japan (JBPA)  
Korean Bioplastics Association, Korea (KBPA)  
Australasian Bioplastics Association Incorporated (ABA)  
European Bioplastics Association (EBA)

**Supporting:**

National Development and Reform Commission (NDRC)  
Ministry of chemical engineering, metallurgy and material engineering of Chinese Academy  
of Engineering (CAE)  
State Post Bureau of the People's Republic of China  
Standardization Administration of the People's Republic of China

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# The Conference Program

**2018.10.21 Registration**

**19:30-21:30 The Council Meeting of the Degradable Plastics Committee of CPPIA(DPC)**

**2018. 10. 22**

**8:30-9:00 Opening Ceremony**

Director of Degradable Plastics Committee of CPPIA(DPC)

National Development and Reform Commission(NDRC)

National Ministry of Industry and Information

Ministry of Agriculture and Rural Affairs

China Institute of Engineering Chemical Metallurgy and Materials Engineering

Standardization Administration of the People's Republic of China

State Post Bureau of the People's Republic of China

Grain Bureau of the People's Republic of China

China National Light Industry Council

Chairman of China Plastics Processing Industry Association(CPPIA)

**9:00-10:30 Section I: China Academy of Engineering Key Consulting Project Results Report**

9:00-9:30 New Progress in Biomanufacturing, PingKai OuYang(Academician), Nanjing Tech University.

9:30-10:00 The Current Situation and Development Trend of Use and Disposal of Disposable Plastic Products, YuZhong Wang(Academician), Nation Engineering Laboratory of Eco-Friendly Polymeric Materials(Sichuan), College of Chemistry, Sichuan University.

10:00-10:30 The Present Situation and Control Measures of Residual Agricultural Membrane Pollution in China, XueGeng Chen(Academician), Shihezi University/Xinjiang Academy of Agricultural Reclamation.

**10:30-10:50 Coffee Break**

**10:50-12:20 Section II: Conference Report**

10:50-11:20 Key Technology and Industrialization of New Synthesis of Lactide, QuanXing Zhang(Academician), Nanjing University.

Controlled Synthesis of PLA-series Environment-friendly Polymers with Guanidine Catalysts, Hong Li(Professor), "National Engineering Research Center for Organic

Pollution Control and Resource Reuse” of Nanjing University.

11:20-11:50 High Performance Bio-based Polymers: Several Cases Which are Competitive with Petroleum-based Counterpart, XiGao Jian (Academician), Dalian University of Technology.

11:50-12:20 Bio-based and Bio-degradable Plastics Promote the Development of Green Industry, Ramani Narayan(Professor), Michigan State University.

### **12:20-13:30 Lunch**

### **13:30-15:30 Section III: Industry Development**

13:30-13:50 Update on Compostable Products and Packaging in North America, Rhodes Yepsen(Executive Director), American Biodegradable Products Institute.

13:50-14:10 Certified Compostable Biopolymers, Food Waste and Agriculture, Rowan Williams(Secretary General), Australian Bioplastics Association.

14:10-14:30 Prospect of Bioplastics Industry in Korea, In-Joo Chin(Secretary General), Korea Bioplastics Association.

14:30-14:50 20+ Years of “Seedling” Certification-Standards and Politics in Europe, Oliver Ehlert(Product Manager), DIN-CERTCO.

14:50-15:10 Development and Application of Bio-fiber in China, ZengJun Li (Secretary General), China Chemical Fibers Association..

15:10-15:30 The Status of Biobased Materials and Their Biodegradation Behavior. YunXuan Weng(Secretary General), Degradable Plastics Committee of CPPIA(DPC).

### **15:30-15:40 Coffee Break**

### **15:40-18:00 Section IV: Research Trends**

15:40-16:00 Polylactic Acid Synthesis and Key Technologies for Industrialization, XueSi Chen(Professor), Changchun Institute of Applied Chemistry Chinese Academy of Sciences.

16:00-16:20 Aluminum Porphyrin Catalyst for CO<sub>2</sub> Based Plastics, XianHong Wang(Professor), Changchun Institute of Applied Chemistry.

16:20-16:40 Structure and Properties of Biodegradable Polymer Based Multicomponent Materials, ZhaoBin Qiu(Professor), Beijing University of Chemical Technology.

16:40-17:00 Development of Starch-based Materials, Long Yu(Professor), South China University and Technology.

17:00-17:20 Overview the Global Development of Certified Compostable Mulch Film in Applications, Policies and Standardizations, Dr. Jens Hamprecht, BASF(China)Co.,

Ltd.

17:20-17:40 Tailoring the Property Profile of Ingeo™ for High Performance Applications Through use of Proper Formulations, Process Conditions and Equipment. Jim Nangeroni(Applications Development Director), NatureWorks LLC.

17:40-18:00 Polylactic Acid Fiber Processing, Application and Market Prospects, Jie Ren(Professor), Tongji University.

### **2018.10.22 18:30 Dinner**

### **2018. 10. 23**

#### **8:00-12:20 Section V: Sustainable Development of Disposable Plastic Products**

8:00-8:20 Preparation and Application of Novel Microgels for Microporous Pore-Modified Cellulose Hydrogel, Min Zhang(Professor), Shanxi University of Science & Technology.

8:20-8:40 Plastic Mulch Film Residual Pollution and Bio-film in China, ChangRong Yan(Professor), Chinese Academy of Agricultural Sciences.

8:40-9:00 Biobased Polyester Poly(ethylene 2,5-furandicarboxylate) (PEF): From Synthesis and Modification, LinBo Wu(Professor), Zhejiang University.

9:00-9:20 Preliminary Report on Application of Biodegradable Membrane in Xinjiang Crops, Lin Wang(Researcher), Xinjiang Bingtuan Agricultural Technology Station.

9:20-9:40 Application of Biodegradable Mulch Film and Mechanism of Yieldincreasein Potatoes, MingZhou Chen(Professor of Engineering), Guangdong Bioengineering Institute.

9:40-10:00 Effect of Biodegradable Aliphatic Polyester on Plant Growth and Metabolism, ChengTao Li(Professor), Shaanxi University of Science & Technology.

#### **10:00-10:20 Coffee Break**

10:20-10:35 Green Project 2.0, Tianjiao Li(Manager), Rookie Network Technology Co., Ltd.

10:35-10:50 Biodegradable Polymer and It's New Applications, YaJuan Li(General Manager), Jinhui Zhaolong Hi-tech Co., Ltd.

10:50-11:05 Jingdong Logistics' Green Sustainable Development Road, YanJian Duan(Manager), Jingdong Logistics Group.

11:05-11:20 A Security Directory of Safe and Environmentally Friendly Takeout Package for Online Restaurants from the Online Catering Platform of ELE BAIDU, Hong Miao(Senior Food Safety Expert), Rajax network technology (Shanghai) Co. Ltd.

11:20-11:35 Research Development of Biodegradable Mulching Films and Applications in Agricultural Production, QingWen Dai(General Manager), Hangzhou Xinfu

Technology Co., Ltd.

11:35-11:50 Research and Progress of Ultra-thin Biodegradable Mulch Film, YanLong Liu(R&D Director), Shanghai Hongrui Biotech. Co.,Ltd.

11:50-12:05 Effect of Sterilizations on the Properties of Commercial PLA, PBAT, and Their Blends, YaMing Wang(Professor), Zhengzhou University.

12:05-12:20 Sandy Desertification Combating Technology of Biodegradable Polylactic Acid Sandbag Sand Barrier, Yi Yu(Researcher), Beijing Leeward Science and Technology Co., LTD.

### **12:20-13:30 Lunch**

### **13:30-18:15 Section VI: Bio-based Polymer, Biomass Thermoplastic Processing**

13:30-13:50 Total Corbion PLA : An Innovative Joint Venture Making PLA Innovations a Reality, C.A.P. (Kees) Joziassse(Sr. R&D Director), Total Corbion PLA.

13:50-14:10 The Opportunity of Polylactic Acid under the Boom of Plastic Ban, ZhiMing Chen(General Manager), Zhejiang Haizheng Biomaterials Co., Ltd.

14:10-14:30 Modification and Functionalization of PLA by Interfacial Stereocomplexation, PiMing Ma(Professor), Jiangnan University.

14:30-14:50 Application and Recycling of Bio-plastics in 3D Printing, YiHu Yang(Chairman), Shenzhen Esun Industrial Co.,Ltd.

14:50-15:10 Uhde Inventa Fischer's Technologies to Produce PLA and other Biopolymers, Udo Mühlbauer (Product Manager) , Uhde Inventa-Fischer GmbH.

15:10-15:30 Boosting the Performance of Polylactic Acid with Functionalized Calcium Carbonate, Karsten Schulz(Manager), The Omya Group.

### **15:30-15:40 Coffee Break**

15:40-15:55 Industrialization of Modified Polylactic Acid Products, XinJian Ye(Chairman), COFCO Corporation Limited.

15:55-16:10 Processing and Application of PLA, Guo Shi(Chairman), Pack & Proper Co., Ltd.

16:10-16:25 High Performance CPLA Compounds for Injection Molding and Thermoforming Applications, GuoQiang Zhai(Technical Director), Jiangxi Heersi Eco-Technologies Co.,Ltd.

16:25-16:40 Market Application of the BOPLA Film, CunGuo Wang(General Manager), Shandong Shenghe Plastic Development Co., Ltd.

16:40-16:55 The Industrialization and Market Application of Continuous Polymerization-melt Direct Spinning PLA Fiber, LeJun Wang(Chairman), Ecospire CHTC Co., Ltd.

16:55-17:15 Innovation and Commercialization of Bio-based Materials, Howard Chou(Vice President of Research and Development), Cathay Industrial Biotech.

17:15-17:35 I'm Green™ Renewable based PE, Fernando Almada(Technical Sales Manager), Braskem S.A.

17:35-17:55 Application of Bioregenerated Cellulose Fiber and Sustainable Development of the Industry, YaJuan Xiang(Project Manager), SATERI & SUSTAINABILITY.

17:55-18:15 Research Development of Natural Short Fiber Reinforced Bio. Composites and its Products, YanBin Chi(Senior Engineer), Xi'an University of Architecture and Technology.

**2018. 10. 23 19:00-20:30 BPI、DIN CERTCO、NTSQP、BMG Green Certification Training and Consultation**