

Scientific Program

7th World Congress on

BIOPOLYMERS AND POLYMER CHEMISTRY

June 04-06, 2018 Osaka, Japan

Media Partners



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Conference Series

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Day 1 June 04, 2018

08:30-09:00 Registrations

conference**series**.com **Ruby** 09:00-09:30 **Opening Ceremony**

Keynote Forum

09:30-10:30 **Title: Biopolymer-derived nanofibers and their applications as biomedical materials and adsorbents for heavy metals removal from polluted water**

Alexander L Yarin, University of Illinois, USA

Networking & Refreshments Break 10:30-10:50 @ Foyer

10:50-11:50 **Title: Effect of Functionalized biopolymers on Stereocomplexation and Properties of Poly (Lactic Acid) Nanocomposite Films, Trays and 3D Printed Implants**

Vimal Katiyar, Indian Institute of Technology Guwahati, India

Session: Biopolymers from Renewable Resources | Advanced Biopolymers | Biopolymers: Applications and Trends

Session Chair: Vimal Katiyar, Indian Institute of Technology Guwahati, India

11:50-12:35 **Title: Cultivation and utilization of cyanobacterial exopolysaccharide for production of biobased polymers**

Ryan Davis, Sandia National Laboratories, USA

Lunch Break 12:35-13:20 @ The Cafe

13:20-14:05 **Title: Lignin valorization by making aromatic chemicals and materials**

Walter Eevers, Flemish Institute for Technological Research, Belgium

14:05-14:50 **Title: The effect of branching agent on the processability and mechanical properties of Polylactic acid/ natural rubber blown film**

Cattaleeya Pattamaprom, Thammasat University, Thailand

Networking & Refreshments Break 14:50-15:10 @ Foyer

Session: Biopolymers: Biomedical and Environmental Applications | Recent development in Biodegradable Materials

Session Chair: Alexander L Yarin, University of Illinois, USA

15:10-15:55 **Title: Characterization of a polysaccharide from Eremurus hissaricus roots growing in Tajikistan**

Zayniddin Muhidinov, Chemistry Institute of Academy of Sciences of the Tajikistan Republic, Tajikistan

15:55-16:40 **Title: PEG-peptide based doxorubicin delivery systems**

Beste Balci, Kyoto University, Japan

Group Photo

Panel Discussions & Prize Ceremony

Day 1 Concludes

Day 2 June 05, 2018

Ruby

Keynote Forum

09:00-10:00 **Title: Mimicking DNA chemistry and beyond-from Ladderphane to stromaphane barrier**

Tien-Yau Luh, National Taiwan University, Taiwan

Networking and Refreshments Break: 10:00-10:20 @ Foyer

Video Presentation

10:20-11:20 **Title: Controlled adhesion of liquid droplets on smart surfaces**

Eui-Hyeok Yang, Stevens Institute of Technology, USA

Session: Biodegradable Polymeric Materials | Synthetic Polymers | Recent Advances in Polymer Nanotechnology

Session Chair: Tien-Yau Luh, National Taiwan University, Taiwan

11:20-12:05 **Title: Effect of biodegradation on physical properties of PLA-based blends**

Ivan Chodak, Polymer Institute of the Slovak Academy of Sciences, Slovakia

Lunch Break 12:05-12:50 @ The Café

12:50-13:35 Title: Plasma Surface Treatment of recycled polymers for Food Packaging

Pericles Lopes Sant'Ana, Federal University of Viçosa Brazil, Brazil

Networking and Refreshments Break: 13:35-13:55 @ Foyer

Poster Presentation @ 13:55-15:30

Poster Judges: Ivan Chodak, Polymer Institute of the Slovak Academy of Sciences Slovakia, Slovakia

PND01 Title: Water soluble porphyrin derivatives: physicochemical study

Nadiia Velychkivska, National Institute for Materials Science (NIMS), Japan

PND02 Title: Controlled release of CPT-11 and shRNA from graphene oxide-entrapped thermo-sensitive chitosan hydrogel for glioma treatment

Yu-Ting Huang, Department of Neurosurgery, Chang Gung Memorial Hospital, Lin Kuo Medical Center, Taiwan

Group Photo

Panel Discussions

Day 2 Concludes

Day 3 June 06, 2018

Ruby

Keynote Forum

09:00-10:00 Title: Synthesis of bio-based polyesters from 2,5-furandicarboxylic acid (2,5-FDCA): From completely amorphous to high crystallinity

Xiaoqing Liu, Ningbo Institute of Material Technology and Engineering, China

10:00-11:00 Title: New Functional Polymers

Jack Y Lu, University of Houston-Clear Lake, USA

Networking & Refreshments Break 11:00-11:20 @ Foyer

Session: Biodegradable Polymeric Materials | Synthetic Polymers

Session Chair: Xiaoqing Liu, Ningbo Institute of Material Technology and Engineering, China

11:20-12:05 Title: Facile tailoring the morphology and water-solubility of chitosan

Yinghao Fu, National Huaqiao University, China

12:05-12:50 Title: Reinforcing effect of poly-furfuryl alcohol on freeze-dried micro-fibrillated cellulose foams

Eva-Marieke Lems, University of Natural Resources and Life Sciences, Austria

Lunch Break 12:50-13:30 @ The Café

Day 3 Concludes

B2B Meetings

Awards & Closing Ceremony

Next in Series

8th World Congress on

Biopolymers and Polymer Chemistry

May 13-14, 2019 Perth, Australia

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