

Joint Event

8th Edition of

BIOPOLYMERS & BIOPLASTICS

&

POLYMER SCIENCE AND ENGINEERING CONFERENCES

October 15-16, 2018 | Las Vegas, USA



Conference Series LLC Ltd

47 Churchfield Road, London, UK, W3 6AY Toll Free: +44-800-014-8923

Day 1 October 15, 2018

Conference Hall: Copa A

08:00-09:00 Registrations

09:00-09:20 Opening Ceremony

Keynote Forum

09:20-10:00 **Title: Influence of keratin and DNA coating on flammability characteristics of PE/EVA blends**

Saul Sanchez Valdes, Applied Chemistry Research Center (CIQA), Mexico

10:00-10:40 **Title: Polymers and nanocomposites to remove inorganic contaminants in water**

Bernabé Luis Rivas Quiroz, University of Concepcion, Chile

Networking & Refreshment Break 10:40-11:00 @ Foyer

11:00-11:40 **ECHO Exhibitor Session by Tine Zlebnik**

Panel Discussion 11:40-11:50

Sessions: Polymer Material Science and Engineering | Biomaterials and Biopolymers | Polymer Science – The Next Generation

Session Chair: Ebru Gunister, Khalifa University of Science and Technology, UAE

Session Introduction

11:50-12:20 **Title: A novel relative permeability modifier polymer**

Chao Yang, Fritz Industries, USA

12:20-12:50 **Title: Standards and measurement for accreditation of bioplastic materials and products in Europe. Determination of the aerobic biodegradability with respirometry under controlled conditions**

Andrej Holobar, ECHO d.o.o., Slovenia

Panel Discussion

Lunch Break 12:50-13:50 @ Foyer

13:50-14:20 **Title: Twisted polymeric fiber based actuators**

Marcio Dias Lima, Nano-Science and Technology Center, USA

14:20-14:50 **Title: Ion conduction mechanism in solid polymer electrolyte by impedance and dielectric spectroscopy**

Namrata Tripathi, Illinois State University, USA

Panel Discussion 14:50-15:00

Young Research Forum

15:00-15:20 **Title: Synthesis, characterization and thermoresponsive behaviour of hydrophobically modified poly(2-ethyl-2-oxazoline)s**

Balázs Pásztói, Eötvös Loránd University, Hungary

15:20-15:40 **Title: Gels of ferulated arabinoxylans: Functional properties and potential application as drug delivery systems**

Mayra A Mendez-Encinas, Research Center for Food and Development (CIAD), Mexico

15:40-16:00 **Title: Arabinoxylans properties and the microspheres production for colon-targeted insulin delivery**

Ana M. Morales-Burgos, Research Center for Food and Development (CIAD), Mexico

Panel Discussion 16:00-16:10

Networking & Refreshment Break 16:10-16:30 @ Foyer

Day 1 Concludes

Day 2 October 16, 2018

Conference Hall: Copa A

Keynote Forum

09:00-09:10 Introduction

09:10-09:50 Title: Political landscape for bioplastics and biobased materials

Rina Singh, Biotechnology Innovation Organization(BIO), USA

Panel Discussion 09:50-10:00

Sessions: Biopolymer and Polymer Application | Polymer Chemistry | Biodegradable Polymers

Session Chair: Ari Rosling, Arctic Biomaterials LTD, Finland

Session Introduction

10:00-10:30 Title: The effect of graphene oxide (GO) filler on the mechanical properties of polyethylene

Ebru Gunister, Khalifa University of Science and Technology, UAE

Panel Discussion

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

10:50-11:20 Title: New era of biodegradable polymers and biocomposites

Ari Rosling, Arctic Biomaterials LTD, Finland

11:20-11:50 Title: Bio-mimetic multimodal nanostructured surfaces fabricated with self-assembling biopolymer and its applications

Rakkiyappan Chandran, Triad Polymers, USA

11:50-12:20 Title: Mechanical and thermal properties of Bio-composite polymers reinforced with rice and coffee husks

Michael Lubwama, Makerere University Kampala, Uganda

12:20-12:50 Title: Synthesis and characterization of emulsion polymerized polyaniline doped with DBSA

Alok Gupta, Malaviya National Institute of Technology, India

Panel Discussion 12:50-13:00

Lunch Break 13:00-14:00 @ Foyer

14:00-14:30 Title: Graphene/hydroxyl ethyl cellulose aerogels for deformation sensing

Shahab Kashani Rahimi, University of Southern Mississippi, USA

14:30-15:00 Title: Electromagnetic properties of carbon nanotube-cellulose, or hemicellulose nanocomposites

Jorma Virtanen, USA

15:00-15:30 Title: The Structure, property and biocompatibility of poly (butylene adipate-co-terephthalate) / cellulose whiskers nanocomposites prepared by reactive extrusion

Shahab Kashani Rahimi, University of Southern Mississippi, USA

Video Presentation

15:30-15:50 Title: Cellulose-based hydrophobic biopolymer produced by *Phyllobacterium myrsinacearum*

A P Piedade, University of Coimbra, Portugal

Panel Discussion 15:50-16:00

Networking & Refreshment Break 16:00-16:20 @ Foyer

Day 2 Concludes...