

JOINT EVENT

**5TH INTERNATIONAL CONFERENCE ON BIOPLASTICS
&
6TH WORLD CONGRESS ON BIOPOLYMERS**

September 7-9, 2017 Paris, France



Conference Series - America

One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA
Toll Free: 1-888-843-8169, P: 702-508-5200, F: +1-650-618-1417

Conference Series - UK

Kemp House, 152 City Road, London EC1V 2NX, UK
Toll Free: +0-800-014-8923

Amphitheatre

conference**series.com** 10:00-10:25

Opening Ceremony

Keynote Forum

10:25-10:30 **Introduction**

10:30-11:00 **Title: Rsin based composites, the ultimate green material**

Geoffrey R Mitchell, Institute Polytechnic of Leiria, Portugal

11:00-11:30 **Title: Hpma copolymer-bound doxorubicin as endogenous vaccine substantially increases therapeutic effect of check-point blockade monoclonals: Acute versus chronic model**

Blanka Rihova, Institute of Microbiology AS CR, Czech Republic

Networking & Refreshment Break 11:30-11:50 @ Foyer

Sessions: Biopolymer Applications | Advanced Biopolymers | Biopolymers for Tissue Engineering and Regenerative Medicine

Session Chair: Katrien Bernaerts, Maastricht University, Netherlands

Session Co-chair: Maia Merlani, Tbilisi State Medical University, Georgia

Session Introduction

11:50-12:15 **Title: Advanced biopolymeric electrospun nanoscale fibers for controlled drug delivery**

Anand Gadre, University of California, USA

12:15-12:40 **Title: Sustainable composites based on biopolymers and natural fibres**

Patrizia Cinelli, University of Pisa, Italy

12:40-13:05 **Title: Increasing the solubility range of polyesters by tuning their microstructure with comonomers**

Katrien Bernaerts, Maastricht University, Netherlands

Group photo

Lunch Break 13:05-13:50 @ NCafé

13:50-14:15 **Title: An optimized methodology to analyze biopolymer capsules by environmental scanning electron microscopy**

Egle Conforto, Université De La Rochelle, France

14:15-14:40 **Title: Chitosan, a promising biomaterial for tissue engineering**

Christine Jerome, University of Liège, Belgium

14:40-15:05 **Title: New biopolymer from comfrey: chemistry and biological activity**

Maia Merlani, Tbilisi State Medical University, Georgia

15:05-15:25 **YRF: Drug-free hydrogel based antibacterial hybrid polymers for wound healing applications**

Isabel Orlando, University of Westminster, UK

15:25-15:45 **YRF: UV-curable printed phosphorus-Polymer thin film**

Hao Bai, Karlsruhe Institute of Technology, Germany

15:45-16:05 **YRF: Hierarchical structure of mucin within the gastrointestinal tract and its interaction with dietary components**

Oliver Meldrum, University of Queensland, Australia

Networking & Refreshment Break 16:05-16:25 @ Foyer

Sessions: Bioplastics

Session Chair: Ivana Marova, FCH BUT, Czech Republic

16:25-16:50 **Title: Application of PHA-based bioplastics in nanomaterials**

Ivana Marova, FCH BUT, Czech Republic

16:50-17:15 **Title: Developing thermoplastic films from wheat flours with different proportions of finely grinded bran**

Paolo Benincasa, University of Perugia, Italy

17:15-17:35	YRF: Waste papers as a sustainable resource for the production of polyhydroxybutyrate (PHB) using <i>Ralstonia eutropha</i> ATCC 17699 Huda S Al-Battashi, Sultan Qaboos University, Oman
17:35-17:55	YRF: Beets to Biopolymers - Characterization of partially biobased polyamides with elevated glass transition temperatures from rigid galactaric acid derivatives Aleksandra A Wroblewska, Maastricht University, Netherlands
17:55-18:15	YRF: Biodegradable and tough PLA-Cellulose based composites via stereocomplexation Joseph K Muiruri, Singapore Institute of Manufacturing Technology, Singapore
18:15-18:35	YRF: How can Ghana attain petroleum – Based plastic to achieve clean environment Yakubu Muntaka Musah, University of Professional Studies, Ghana

Panel Discussion

Day 2 September 08, 2017

Amphitheatre

Keynote Forum

09:55-10:00	Introduction
10:00-10:30	Title: Processing of natural polymers based materials using ionic liquids Eric Leroy, CNRS, France
10:30-11:00	Title: Sustainable PHB production from CO₂ and sunlight using cyanobacteria Maximilian Lackner, University of Applied Sciences FH Technikum Wien, Austria

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

Sessions: Biopolymers as Materials | Green Composites in Biopolymers

Session Chair: Lovely Mathew, Viswajyothi College of Engineering and Technology, India

Session Introduction

11:20-11:45	Title: Development of glycol-lignin derivatives for high performance hybrid materials Takashi Yamashita, Tokyo University of Technology, Japan
11:45-12:10	Title: Bio-based materials from renewable resources: A brief overview Elisabete Frollini, University of Sao Paulo, Brazil

12:10-12:40 Poster Presentations BP-01 to BP-10 @ Foyer

BP-01	Title: The study of some properties of papain and bromelain containing gels Nana Gorgaslidze, Tbilisi State Medical University, Georgia
BP-02	Title: Properties of bio-composites based on polylactic acid (PLA)/polycaprolactone (PCL)/cinnamon oil Rodolfo Rendon, CEPROBI-IPN. Mexico
BP-03	Title: Structure and thermal degradation of pineapple leaf cellulose after treatment Siriwan Leesirisan, Department of Science Service, Thailand
BP-04	Title: Bacterial cellulose production by <i>komagataeibacter xylinus</i> using a culture medium based on mango waste supplemented with different nitrogen sources Yolanda González-García, University of Guadalajara, Mexico
BP-05	Title: Elucidating Proton-mediated conformational changes in the acid-sensing Ion Channel 1a through molecular dynamics simulation Xuri Huang, Jilin University, China
BP-06	Title: Influence of substitution of phenol by lignins in PF resins on the impregnation of Kraft paper Marion Thébault, Wood Carinthian Competence Center, Austria
BP-07	Title: Biodegradability of PHA-based composites in marine and terrestrial environments Maurizia Seggiani, University of Pisa, Italy
BP-08	Title: Edible films from kefir and milk whey proteins as carrier of probiotic microorganisms Judith Piermaria, Centro de Investigación, Argentina
BP-09	Title:Regulating the Acid-sensing ion channel1a with psalmotoxin1 through molecular dynamics simulation Xi Zhao, Jilin University, China

BP-10 **Title: Waste management and green synthetic approach of copolymeric hydrogel in water purification**

Gigimol M.G, Alphonso College, Pala, Kerala, India.

12:45-13:15 Poster Presentations BP-11 to BP-19 @ Foyer

BP-11 **Title: Biopolymer from Anchusa italica (Boraginaceae)**

Lali Gogilashvili, Tbilisi State Medical University, Georgia

BP-12 **Title: Chemical modification of 5 α -steroidal oximes and amine with N-protected amino acids**

Nanuli Nadaraia, Tbilisi State Medical University, Georgia

BP-13 **Title: Synthesis and characterization of maleic anhydride grafted orange waste**

Veronika Batori, University of Borås, Sweden

BP-14 **Title: How ferulic acid can be turned into a biobased Non-Isocyanate polyurethane?**

Antoine Gallos, Chaire ABI - AgroParisTech, France

BP-15 **Title: UV-curable printed phosphorus-polymer thin film**

Hao Bai, Karlsruhe Institute of Technology, Germany

BP-16 **Title: Cellulose acetate-graft-poly(methyl methacrylate): A “graft from” approach of nitroxide mediated radical polymerization (NMP)**

Tebong Mbah Vernon, UNIVPM, ITALY

BP-17 **Title: Research for cytochalasin B, phloretin, forskolin, and phlorizin inhibiting glucose transporter from Staphylococcus epidermidis through molecular dynamics simulation**

Xianyang Zeng, Jilin University, China

BP-18 **Title: Formulation and technology development of natural biopolymer-containing films for burn treatment**

Sopio Gokadze, Tbilisi State Medical University, Georgia

BP-19 **Title: Effect of Incorporation of bioactive agent on physical and mechanical properties of active PLA Composites**

Mohammadreza Rezaeigolestani, University of Tehran, Iran

Lunch Break 13:15-14:00 @ NCafé

14:00-14:25 **Title: Development of potentially biodegradable cellulose nanocrystal reinforced pbs-hbpp bionanocomposites**

Lovely Mathew, Viswajyothi College of Engineering and Technology, India

14:25-14:50 **Title: Cross-linked polyethylene foams: how to change the perception of a commodity material starting from the (bio-based) source**

Fabio Silvestri, Trocellen GmbH, Germany

14:50-15:15 **Title: Processing optimization and characterization for pla/mgalcu-ldh/pvp composite microsphere**

Shuhua Zhang, Shanghai University of Engineering Science, China

15:15-15:40 **Title: Pyridine and bipyridine end-functionalized polylactide: Synthesis and catalytic applications**

Marco Frediani, Università degli Studi di Firenze, Italy

Networking & Refreshment Break 15:40-16:00 @ Foyer

16:00-16:25 **Title: Poly (allylamine hydrochloride) reduced graphene oxide (rgo/pah) nanocarriers for potential application in non-viral gene therapy**

Amit Jaiswal, IIT Mandi, India

16:25-16:45 **Title: How can a single methyl group drastically affect the microstructure of an injected biocomposite reinforced with natural fibers ?**

Antoine Gallos, Chaire ABI - AgroParisTech, France

Panel Discussion

Day 3 September 09, 2017

Amphitheatre

Keynote Forum

09:55-10:00 **Introduction**

10:00-10:30 **Title: Biomass waste – A source of raw materials and nanocellulose**

Matjaz Kunaver, National institute of chemistry, Slovenia

10:30-11:00	Title: Cyanobacteria as model organism for PHB production Maximilian Lackner , University of Applied Sciences FH Technikum Wien, Austria
Networking & Refreshment Break 11:00-11:20 @ Foyer	
Sessions: Biodegradable polymers Natural polymers Biopolymer Feed Stock Challenges & Opportunities Biopolymers in Biofibers & Microbial Cellulose	
Session Chair: Marine Janvier , Chaire ABI - AgroParisTech, France Session Co-chair: Amandine flourat , Chaire ABI - AgroParisTech, France	
Session Introduction	
11:20-11:45	Title: Chemo-enzymatic synthesis and polymerizations of bio-based bisphenols derived from ferulic and sinapic acids Marine Janvier , Chaire ABI - AgroParisTech, France
11:45-12:10	Title: Cosmetics, a new field of applications for the interpenetrating biopolymer network technology (ibpn technology®) Dana Michel , SILAB, Brive, France
12:10-12:35	Title: Production of polyhydroxyalkanoate (PHA) biopolyesters based on food-industrial waste- and surplus materials Martin Koller , University of Graz, Austria
12:35-13:00	Title: Identification of biologically active compounds from symphytum (boraginaceae) Lela Amiranashvili , Tbilisi State Medical University, Georgia
Lunch Break 13:00-13:45 @ Courtepaille's Restaurant	
13:45-14:10	Title: Synthesis and characterization of new biodegradable polymers with antiradical and antimicrobial activities Amandine flourat , Chaire ABI - AgroParisTech, France
14:10-14:35	Title: Rheology of alcayota gum Martin Masuelli , Universidad Nacional de San Luis, Argentina YRF: Green composites based on PHA and natural fibres for applications in marine and land environments
14:35-14:55	Norma Mallegni , University of Pisa, Italy YRF: Keratin from camel and cashmere hairs: processing evaluation
14:55-15:15	Yuejiao Yang , University of Trento, Italy YRF: Multiple scale study of hydrothermal degradation in the interfacial regions of flax fiber/bio-based polyurethane composites
15:15-15:35	Yunlong Jia , Hamburg University of Technology, Germany
Panel Discussion	
Awards & Closing Ceremony	

Bookmark your dates

8th World Congress on Biopolymers

9th International Conference on Bioplastics

June 28-30, 2018 Berlin, Germany

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