Tentative Program

8th world Congress on Biopolymers

June 28-30, 2018 Berlin, Germany



Interactive Sessions

Keynote Lectures

Plenary Lectures

Workshops

Exhibitors

B2B Meetings

For available speaker slots

biopolymercongress@chemseries.com

8th world Congress on Biopolymers

June 28-30, 2018 Berlin, Germany

Program at a Glance

Day 1

Morning Sessions	Reception/Registration	08.00-09.00	
		Time	General Session
	Least of 3 Keynote/Plenary Talks	09.00-09.15	Inaugural Address
		09.15-09.45	Keynote/Plenary Talk 1
		09.45-10.15	Keynote/Plenary Talk 2
		10.15-10.45	Keynote/Plenary Talk 3
	Panel Discussions/Group Photo		
	Coffee/Tea Break 10.45-11.00 (Networking)		
	11.00-12.40	Natural Polymers	
Evening Sessions			
	Lunch Break 12.40-13.30		
	13.30-15.30	Advanced Biopolymers	
	Coffee/Tea Break 15.30-15.45 (Networking)		
	15.45-17.25	Workshop	

Day 2

Morning Sessions	Time	Session 1	Session 2
	09.00-10.40	Keynote Forum	Bioplastics
	Coffee/Tea Break 10.40-10.55 (Networking)		
	10.55-12.35	Bioinformatics	Biopolymers as Materials

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Evening Sessions	Lunch Break 12.35-13.25		
	13.25-15.05	Green Composites in Biopolymers	Biopolymers for Tissue Engineering and Regenerative Medicine
	Coffee/Tea Break 15.05-15.20 (Networking)		
	15.20-17.00	Poster Presentations	Poster Presentations

NOTE: Program Schedule is subject to change with final allotment of the speaker slots

Day 3			
Morning Sessions	Time	Session 1	Session 2
	09.00-10.40	Keynote Forum	Biodegradable polymers
	Coffee/Tea Break 10.40-10.55 (Networking)		
	10.55-12.35	Biopolymers in Biomedical Applications	Recycling & Waste management of Biopolymers
Evening Sessions	Lunch Break 12.35-13.25		
	13.25-15.05	Biopolymers in Biofibers & Microbial Cellulose	Future & Scope of Biopolymers
	Coffee/Tea Break 15.05-15.20 (Networking)		
	15.20-17.00	Workshop	Workshop

NOTE: Program Schedule is subject to change with final allotment of the speaker slots

For more Details PS: http://biopolymers.conferenceseries.com/

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Conference Highlights

- Natural Polymers
- Advanced Biopolymers
- Bioplastics
- Bioinformatics
- Biopolymer Applications
- Biopolymers as Materials
- Green Composites in Biopolymers
- Biopolymers for Tissue Engineering and Regenerative Medicine
- Biodegradable polymers
- Biopolymers in Biomedical Applications
- Recycling & Waste management of Biopolymers
- Biopolymers in Biofibers & Microbial Cellulose
- Biopolymer Feed Stock Challenges & Opportunities
- Future & Scope of Biopolymers
- Biopolymer Companies & Market

For detailed sessions, please visit: https://biopolymers.conferenceseries.com/

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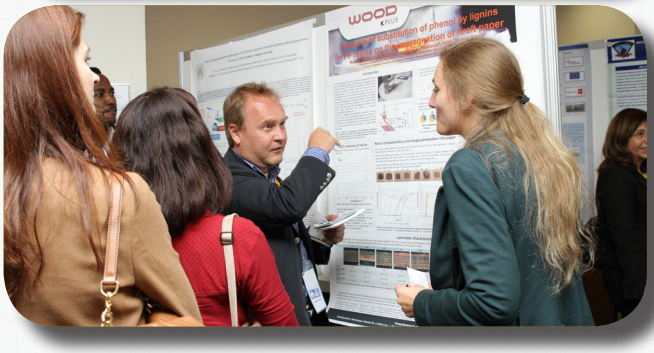
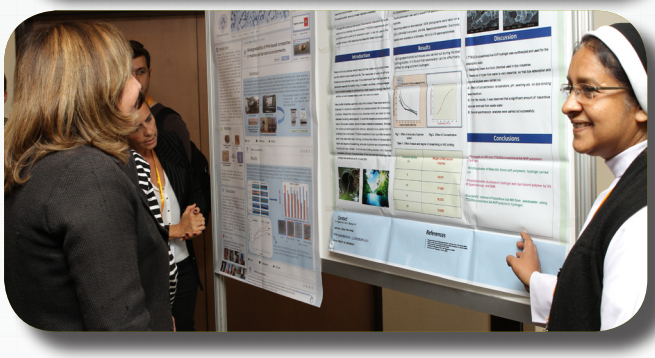
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Glimpses of Biopolymer Conferences

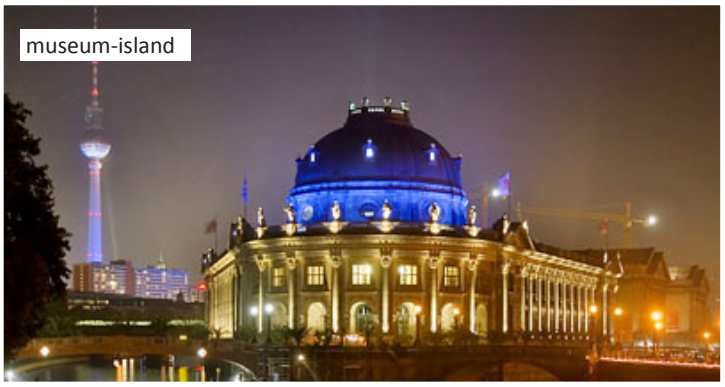




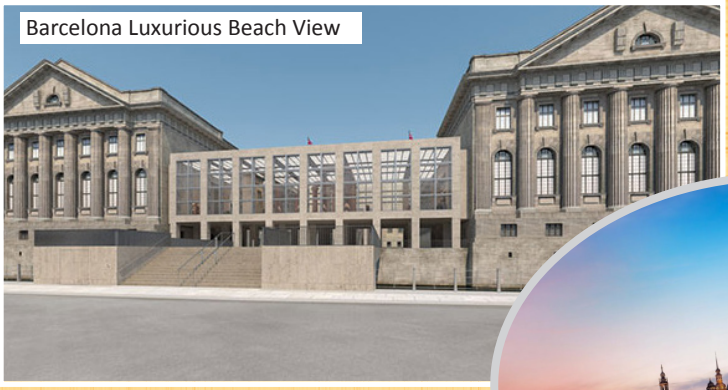






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Scientific Program

JOINT EVENT

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

September 7-9, 2017 Paris, France



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Day 1 September 07, 2017

Registrations

Amphitheatre

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Opening Ceremony

Keynote Forum

Introduction

Title: Rsin based composites, the ultimate green material

Geoffrey R Mitchell, Institute Polytechnic of Leiria, Portugal

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

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

Title: Advanced bioplymeric electrospun nanoscale fibers for controlled drug delivery

Anand Gadre, University of California, USA

Title: Sustainable composites based on biopolymers and natural fibres

Patrizia Cinelli, University of Pisa, Italy

Title: Increasing the solubility range of polyesters by tuning their microstructure with comonomers

Katrien Bernaerts, Maastricht University, Netherlands

Group photo

Lunch Break

Title: An optimized methodology to analyze biopolymer capsules by environmental scanning electron microscopy

Egle Conforto, Université De La Rochelle, France

Title: Chitosan, a promising biomaterial for tissue engineering

Christine Jerome, University of Liège, Belgium

Title: New biopolymer from comfrey: chemistry and biological activity

Maia Merlani, Tbilisi State Medical University, Georgia

YRF: Drug-free hydrogel based antibacterial hybrid polymers for wound healing applications

Isabel Orlando, University of Westminster, UK

YRF: UV-curable printed phosphorus-Polymer thin film

Hao Bai, Karlsruhe Institute of Technology, Germany

YRF: Hierarchical structure of mucin within the gastrointestinal tract and its interaction with dietary components

Oliver Meldrum, University of Queensland, Australia

Networking & Refreshment Break

Sessions: Bioplastics

Session Chair: Ivana Marova, FCH BUT, Czech Republic

Title: Application of PHA-based bioplastics in nanomaterials

Ivana Marova, FCH BUT, Czech Republic

Title: Developing thermoplastic films from wheat flours with different proportions of finely grinded bran

Paolo Benincasa, University of Perugia, Italy

YRF: Waste papers as a sustainable resource for the production of polyhydroxybutyrate (PHB) using Ralstonia eutropha ATCC 17699

Huda S Al-Battashi, Sultan Qaboos University, Oman

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
YRF: Biodegradable and tough PLA-Cellulose based composites via stereocomplexation
Joseph K Muiruri, Singapore Institute of Manufacturing Technology, Singapore
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

Introduction
Title: Processing of natural polymers based materials using ionic liquids
Eric Leroy, CNRS, France
Title: Sustainable PHB production from CO_2 and sunlight using cyanobacteria
Maximilian Lackner, University of Applied Sciences FH Technikum Wien, Austria

Networking & Refreshment Break

Sessions: Biopolymers as Materials | Green Composites in Biopolymers
Session Chair: Lovely Mathew, Viswajyothi College of Engineering and Technology, India

Session Introduction

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

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 komagataeibacter xylinus 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 kefiran 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,** Alphonsa College, Pala, Kerala, India.

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 5α-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

Title: Development of potentially biodegradable cellulose nanocrystal reinforced pbs-hbpp bionanocomposites
Lovely Mathew, Viswajyothi College of Engineering and Technology, India

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

Title: Processing optimization and characterization for pla/mgalcu-ldh/pvp composite microsphere
Shuhua Zhang, Shanghai University of Engineering Science, China

Title: Pyridine and bipyridine end-functionalized polylactide: Synthesis and catalytic applications
Marco Frediani, Università degli Studi di Firenze, Italy

Networking & Refreshment Break

Title: Poly (allylamine hydrochloride) reduced graphene oxide (rgo/pah) nanocarriers for potential application in non-viral gene therapy
Amit Jaiswal, IIT Mandi, India

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

Introduction

Title: Biomass waste – A source of raw materials and nanocellulose
Matjaz Kunaver, National institute of chemistry, Slovenia

Title: Cyanobacteria as model organism for PHB production
Maximilian Lackner, University of Applied Sciences FH Technikum Wien, Austria

Networking & Refreshment Break

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

Title: Chemo-enzymatic synthesis and polymerizations of bio-based bisphenols derived from ferulic and sinapic acids

Marine Janvier, Chaire ABI - AgroParisTech, France

Title: Cosmetics, a new field of applications for the interpenetrating biopolymer network technology (ibpn technology®)

Dana Michel, SILAB, Brive, France

Title: Production of polyhydroxyalkanoate (PHA) biopolyesters based on food-industrial waste- and surplus materials

Martin Koller, University of Graz, Austria

Title: Identification of biologically active compounds from symphytum (boraginaceae)

Lela Amiranashvili, Tbilisi State Medical University, Georgia

Lunch Break

Title: Synthesis and characterization of new biodegradable polymers with antiradical and antimicrobial activities

Amandine flourat, Chaire ABI - AgroParisTech, France

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

Norma Mallegni, University of Pisa, Italy

YRF: Keratin from camel and cashmere hairs: processing evaluation

Yuejiao Yang, University of Trento, Italy

YRF: Multiple scale study of hydrothermal degradation in the interfacial regions of flax fiber/bio-based polyurethane composites

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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2nd World Congress on

Biopolymers

August 04-05, 2016 Manchester, UK

Scientific Program



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Registrations

Rosewood Room

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Opening Ceremony

Keynote Forum

Introduction

Title: New concept of resorbable biopolymer hybrids for implant applications

Xiang Zhang, University of Cambridge, United Kingdom

Title: Novel approaches in hydrogel design from chemically-modified polysaccharides

Rachel Auzely Velty, University Grenoble Alpes, France

Title: Radiation processed textile sludge for preparing eco-friendly bricks

Mubarak Ahmad Khan, Bangladesh Atomic Energy Commission, Bangladesh

Networking and Refreshment Break

Sessions:

Advanced Biopolymers | Natural Polymers | Biopolymers in Biofibers & Microbial Cellulose

Session Chair: Maria Cristina Righetti, National Research Council, Italy

Session Introduction

Title: Biosynthesis of block copolymer for poly(3-hydroxyalkanoate)

Takahiko NAKAOKI, Ryukoku University, Japan

Title: Magnetism in metal-free phthalocyanine and graphite-like nanostructures

Armen Kocharian, California State University, USA

Title: Constrained amorphous interphase and mechanical properties of bio-based polyesters

Maria Cristina Righetti, National Research Council, Italy

Title: Effect of additives on properties of bio-based polymers and their blends

Patrizia CINELLI, National research Council, Italy

Title: Understanding the microphase morphology of concentrated cellulose solutions from their rheological behavior

Yumei Zhang, College of Material Science and Engineering, China

Group Photo @ Rosewood Room

Lunch Break

Title: Controlled simple green synthesis of smaller sized aqueous quasi-spherical polymer-capped silver nanoparticles

Samuel Oluwatobi Oluwafemi, University of Johannesburg, South Africa

Title: Preparation and characterization of organic montmorillonite- polyvinylalcohol-co-polyacrylic nanocomposite hydrogel for heavy metal uptake in water

Ehsan A. H. A. Gomaa, Ain Shams University, Egypt

Title: Organic modification and functionalization of biobased aromatics and their use in industrial polymer formulations

Elena Benedetti, AEP Polymers Srl, Italy

Title: Dissolution of cellulose in ionic liquids via polyelectrolyte interaction

Ye Chen, College of Material Science and Engineering, China

Title: Fabrication of reduced graphene oxide/chitosan-based conductive hydrogel for biomedical applications

Neslihan Alemdar, Marmara University, Turkey

Networking and Refreshment Break

Title: The effect of magnetic field on biophysical properties of different water samples

Amani Samy Hegazy, Ain Shams University, Egypt

Title: Immittance responses study of dodecyltrimethylammonium bromide effect on 2-hydroxyethyl cellulose solid biopolymer electrolytes

Mohd Ikmar Nizam Bin Haji Mohamad Isa, Universiti Malaysia Terengganu, Malaysia

Title: Lignin phenol formaldehyde resole resin: Synthesis and characteristics

Masoumeh Ghorbani, University of Natural Resources and Life Sciences, Austria

Title: Composition dependence of the synergistic effect of nucleating agent and plasticizer in poly(lactic acid)

Seyed Mohammad Kazem Fehri, University of Pisa, Italy

Day 2 August 05, 2016

Rosewood Room

Keynote Forum

Title: Superior thermoplastics prepared entirely from lipids: Synthesis, structure and properties

Suresh S. Narine, Trent University, Canada

Title: Developing environment-sensitive molecular probes for target binding-activated fluorescence imaging

Yi Pang, The University of Akron , USA

Sessions:
Biopolymers as Materials | Green Composites in Biopolymers

Session Chair: Lovely Mathew, Mahatma Gandhi University, India

Session Introduction

Title: Study on curing condition of furan resin for matrix of green composites

Masatoshi Kubouchi, Tokyo Institute of Technology, Japan

Title: Bioactive nanofibrous systems based on natural materials

Elisa Mele, University Loughborough, United kingdom

Title: Alcayota films: Effect of crosslinking

Martin AMasuelli, Stanford University, USA

Networking and Refreshment Break

Title: Development and characterization of bio nano cellulose reinforced polyamide nanocomposites prepared by electron spinning method

Lovely Mathew, Mahatma Gandhi University, India

Title: The physical principles underpinning the emergence of structure in plants, and their application in the development of new biopolymer based materials

PhilipTurner, Edinburgh Napier University, United Kingdom

Title: Bionanocomposites derived from natural hydrogel matrices: An application for water purification

Shivani Bhardwaj Mishra, University of South Africa, South Africa

Title: Maximum utilization of plant resources to produce edible nanocomposite bioplastics

Luiz Henrique Capparelli Mattoso, National Nanotechnology Laboratory for Agribusiness, Brazil

Title: Thermo sensitive gelling film mediated drug rectal delivery in the treatment of colorectal cancer

Lulu Wang, Institute of Materia Medica, China

Title: Conversion of lipids into biopolymers and conjugates

Aman Ullah, University of Alberta, Canada

Lunch Break

Poster Presentations

WCBP-01 **Conformational transitions of uracil transporter-uraa from *escherichia coli*: A molecular simulation study**
Xi Zhao, Jilin University, China

WCBP-02 **Title: Development and in vivo evaluation of a Copper IUD coated with a biodegradable polymer**
Abi Santhosh Aprem, HLL Lifecare Ltd, India

WCBP-03 **Title: Furfuryl low-molecular-weight chitosan derivative as anti-adhesion after tendon regeneration surgery**
Tae-Il Son, Chung-Ang University, Republic of Korea

WCBP-04 **Title: Isolation and characterisation of pha-producing bacteria from the environment.**
Aisha Alwuhaib, University of Portsmouth, UK

WCBP-05 **Title: Investigations of takeout proteins' ligand binding and release mechanism using molecular dynamics simulation**
Xu-ri Huang, Jilin University, China

WCBP-06 **Title: Biopolymer chitosan/montmorillonite/nano γ-Al_2O_3 nanocomposites: Preparation and characterization**
Nahid Shajari, Islamic Azad University, Iran

WCBP-07 **Title: Tearing resistance of blown biodegradable films based on PLA**
Norma Mallegni, University of Pisa, Italy

WCBP-08 **Title: Multiscale simulations of a peptide - Zinc oxide composite**
Immanuel Schäfer, University of Stuttgart, Germany

WCBP-09 **Title: Radiation copolymerization of different monomers and polymers producing hydrogels applied in water treatment processes**
Reem Mohammed, Ain Shams University, Egypt

WCBP-10 **Title: Isolation and characterization of polyvinyl alcohol (PVA) degrading fungal strians from soils**
Somayeh Mollasalehi. University of Manchester, United Kingdom

Sessions:
Biopolymer Feed Stock Challenges & Opportunities | Biopolymers for Tissue Engineering | Future & Scope of Biopolymers

Session Chair: Florent Allais, ABI – AgroParisTech, France

Title: Chemo-enzymatic synthesis and polymerizations of bio-based bisphenols derived from lignin: An access to novel 100% renewable alternating aromatic/aliphatic polymers
Florent Allais, ABI – AgroParisTech, France

Title: Biodegradable and renewable polymers: How to contribute to a sustanable future
Andreas Kunkel, BASF SE, Germany

Title: Preparation and characterization of silk/diopside composite nanofibers via electrospinning for tissue engineering applications
Abbas Teimouri, Payame Noor University, Iran

Networking and Refreshment Break

Title: Preparation and characterization of bacterial cellulose-based biomaterial as scaffolds for articular cartilage tissue engineering
Huaping Wang, Donghua University, China

Title: Biopolymers – Key actors in the medicine of the future
Francisco M Goycoolea, University of Leeds, UK

Title: A tunable and scalable biomaterial for 3D cell development: applications in cartilage engineering and tumor engineering
Brigitte Deschrevel, University of Rouen, France

Panel Discussion

Award & Closing ceremony



Bookmark your dates

4th World Congress on

Biopolymers

September 07-09, 2017 Paris, France

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659th Conference

Scientific Program

3rd International Conference and Exhibition on

Biopolymers & Bioplastics

September 12-14, 2016 San Antonio, Texas, USA



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Scientific Program

Day 1 September 12, 2016

Registrations

Texas B

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Opening Ceremony

Keynote Forum

Introduction

Title: Structure property relationships of biobased epoxy resins
Richard A. Gross, Rensselaer Polytechnic Institute, USA
Title: Bio-based thermosets from star-like highly functional reactive resins
Dean C. Webster, North Dakota State University, USA

Title: Circular economy and sustainability of bioplastics and biobased materials: New challenges and future prospective
Amar Mohanty, University of Guelph, Canada

Group Photo and Coffee Break

Sessions: Biomaterials and Biopolymers

Session Introduction

Session Chair: David Grewell, Iowa State University, USA

Session Co-chair: Chang-Sik Ha, Pusan National University, Korea

Title: Political landscape for bioplastics and biobased materials
Rina Singh, Biotechnology Innovation Organization, USA
Title: Biopolymer based bionanocomposites
Chang-Sik Ha, Pusan National University, Korea
Title: Supramolecular polymers based on short peptides: Building on the building blocks of life
Rein V Ulijn, City University of New York, USA
Title: Free radical polymerization of acrylic monomers from plant oils
Andriy Voronov, North Dakota State University, USA
Title: The development of nonabsorbed potassium binding polymer microparticles (patiromer) for the treatment of hyperkalemia
Bo Chen, Relypsa Inc., USA
Title: Cellulose dissolution: promising approach for the preparation of composite materials
Noureddine Abidi, Texas Tech University, USA

Panel Discussion

Lunch Break

Sessions: Biomaterials and Biopolymers (Cont..)

Session Introduction

Session Chair: Richard A. Gross, Rensselaer Polytechnic Institute, USA

Session Co-chair: Noureddine Abidi, Texas Tech University, USA

Title: Synthesis of biobased nano composite materials: Metal nano particles stabilized in soy bean oil polymer
Baki Hazer, Bülent Ecevit University, Turkey
Title: Poly (glycerol-sebacate); A new bioelastomer with antimicrobial and immunomodulatory properties
Peter Gabriele, Secant Group, USA
Title: Multilayer core-sheath nanofiber scaffolds used in the differential release of bioactive molecules
Dula Man, Delaware State University, USA
Title: Reactive extrusion and in situ compatibilization of poly lactic acid and poly glycerol succinate: A sustainable way for toughening of PLA
Manjusri Misra, University of Guelph, Canada

Title: Production of an antimicrobial edible casein-based material
Elodie Chevalier, Université de Lyon, France

Coffee Break

Title: Facelift of PLLA: Effect of orientation on physical ageing in poly(L-Lactic Acid) films
Gagik Ghazaryan, ETH Zurich, Switzerland

Workshop Session

Title: Biocatalytic routes to monomers and polymers
Richard A. Gross, Rensselaer Polytechnic Institute, USA
Title: A chemical platform for the production of bio-PET
Ryan L. Smith, Micromidas Inc., USA

Panel Discussion

Day 2 September 13, 2016

Texas B

Keynote Forum

Title: Fully bio-based non-isocyanate polyurethanes (NIPU) via cyclic carbonate/amine route
Etienne Grau, University of Bordeaux, France

Title: Sustainable plastics and the center for bioplastics and biocomposites
David Grewell, Iowa State University, USA

Coffee Break

Sessions: Biopolymer applications | Plastic pollution and waste management

Session Chair: Amar Mohanty, University of Guelph, Canada

Session Co-chair: Johan Pluyter, International Flavors and Fragrances, USA

Title: Biopolymers in flavor and fragrance delivery systems
Johan Pluyter, International Flavors and Fragrances, USA
Title: Development of bio-based plywood adhesive utilizing protein recovered from hydrolyzed specified risk materials
Birendra B. Adhikari, University of Alberta, Canada
Title: Fabrication of multifunctional biopolymer composites with high performance by controlling the dispersion and distribution of graphene in the composites
Jinrui Huang, Chinese Academy of Forestry, China
Title: Novel tung oil-based unsaturated ester macromonomer for thermosetting polymers
Chengguo Liu, Chinese Academy of Forestry, China
Title: Creation of keratin resin and fibroin resin using fibrous animal waste products
Shinji Hirai, Muroran Institute of Technology, Japan
Title: Isolation and characterization of polyvinyl alcohol (PVA) degrading fungal strains from soils
Somayeh Mollasalehi, University of Manchester, UK

Lunch Break

Title: Biodegradation of biopolymers under soil and compost conditions
Asma Said Khalid Al Hosni, University of Manchester, UK

Workshop Session

Title: High Performance, high bio-content thermosets for composites and coatings
Dean Webster, North Dakota State University, USA

Panel Discussion

Coffee Break

Poster Presentations

BPBP-01 **Title: Biosynthesis of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) with high C_6-monomer composition from CO_2 by recombinant of Ralstonia eutropha**
Kenji Tanaka, Kindai University, Japan

BPBP-02 **Title: Valorisation of food wastes through acidogenic fermentation**
María C Veiga, University of A Coruña, Spain

BPBP-03 **Title: Study on the curing characteristics and synthesis process of modified urea-formaldehyde resin with low formaldehyde release**
Jiyou Gu, Northeast Forestry University, China

BPBP-04	**Title: Thermal treatment of soybean protein and its effects on the water resistance of soybean protein adhesive** **Zhen-Hua Gao,** Northeast Forestry University, China
BPBP-05	**Title: Preparation and performance of water-borne acrylic wood coatings modified by rice husk ash** **Shuangying Wei,** Northeast Forestry University, China
BPBP-06	**Title: Comparative analysis between maize and cassava starch through XPS** **Yanhua Zhang,** Northeast Forestry University, China
BPBP-07	**Title: Zinc Oxide nanoparticles control skin infection and improve dermal wound healing in Humans** **Rebeca Betancourt Galindo,** Centro de Investigación en Química Aplicada, Mexico
BPBP-08	**Title: Surface modified chitin with silane as reinforcement in mortar composites** **Anju Ramakrishnan,** Indian Institute of Technology Madras, India
BPBP-09	**Title: The survival-dose effect model of microorganism implanted by low energy N^+** **Ning Zhang,** Chinese Academy of Forestry, China

Best Poster Award Presentation

Day 3 September 14, 2016

Texas B

Keynote Forum

Title: Understanding biodegradability-The science, the misuse and true value proposition
Ramani Narayan, Michigan State University, USA

Workshop Session

Title: Bio-based and biodegradable compostable plastics: Logic, definitions and testing methods
Ramani Narayan, Michigan State University, USA

Coffee Break

Sessions: Routes to drop-in monomers and bioplastics | Future and scope for biopolymers and bioplastics | New-to-the-world biopolyesters

Session Chair: Oliver Ehlert, DIN CERTCO GmbH, Germany

Title: Certification of bioplastics – Standards and politics
Oliver Ehlert, DIN CERTCO GmbH, Germany

Title: PEF (polyethylene 2,5-furandicarboxylate): A new emerging biobased polyester from carbohydrates
Nathanael Guigo, University Nice Sophia Antipolis,France

Title: Biodegradable polymers from brewery wastewater
María C. Veiga, University of A Coruña, Spain

Title: Biopolymers-based active edible coatings to improve quality and safety of food products
Elena Poverenov, Agricultural Research Organization The Volcani Center, Israel

Panel Discussion

Award & Closing Ceremony

Lunch Break

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Day 1 November 10, 2016

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Terra Lucis

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Opening Ceremony

Keynote Forum

Introduction

Title: Plantics: Plastics made from plants
Gadi Rothenberg, University of Amsterdam, Netherlands

Title: Biomass waste- A source of raw materials and nanocellulose
Matjaž Kunaver, National Institute of chemistry, Slovenia

Group Photo & Coffee Break

Workshop

Avantium renewable chemistries update
Alan A Smith, Avantium Renewable Chemistries, Netherlands

Sessions: **Biobased Chemicals & Bioplastics | Noble Advances in Bioplastics | Methods of production of Bioplastics**

Session Chair: Maximilian Lackner, University of Applied Sciences FH Technikum Wien, Austria

Session Introduction

Title: Characterization and biodegradation of lactate-based polymer biosynthesized from renewable carbon sources
Seiichi Taguchi, Hokkaido University, Japan
Title: Market development of Kaneka biopolymer PHBH
Kenichiro Nishiza, Kaneka Belgium N.V, Belgium
Title: Novel bio-based elastomeric polymer based on semi-interpenetrating poly (3-hydroxyalkanoate)s and sunflower oil using a trithiol as crosslinking agent
Carine Mangeon, Université Paris Est, France
Title: Development of stable recombinant cyanobacteria for economically competent solar-fuel-factories: ethylene production
Veronica Carbonell, University of Turku, Finland

Panel Disscussion

Lunch Break

Exhibitor Presentation

Braskem
Brendan, Braskem, Brazil

Sessions: **Biomaterials & Biopolymers | Plastic Pollution and Waste Management | Bioplastics Products**

Session Chair: Valerie Langlois, University Paris VI, France

Title: Biopolymers based multifunctional composite systems by electrospinning technique
Ilaria Cacciotti, University of Rome "Niccolo Cusano", Italy
Title: Tailoring functional PHA-based materials for biomedical applications
Valerie Langlois, University Paris Est (UPEC), France
Title: Biodegradable and compostable materials for packaging applications
Pilar Villanueva, AIMPLAS, Spain

Networking & Refreshment Break

Title: Reconstitution of collagen triple helix in physically crosslinked hydrogels and films
Daniel Brannum, Case Western Reserve University, USA
Title: Novel bio-based active release materials for biomedical applications
Tina Modjinou, Université Paris Est, France

Panel Disscussion

Day 2 November 11, 2016

Terra Lucis

Keynote Forum

Title: PBAT-A versatile material for biodegradable and compostable packagings
Maximilian Lackner, University of Applied Sciences FH Technikum Wien, Austria

Title: The development of commercial high-end applications of biopolymers
Bas Krins, Applied Polymer Innovations BV, Netherlands

Networking & Refreshment Break

Workshop

Ttile: Extending polylactide applications by overcoming its drawbacks
M.Reza Nofar, Istanbul Technical University, Turkey

Sessions: **Biocomposites | Applications of Bioplastics | Bioplastics Types**

Session Chair: Bas Krins, Applied Polymer Innovations BV, Netherlands

Session Introduction

Title: Potential natural additives and agro-industrial by-products in biopolymer formulations for active food packaging
María Carmen Garrigós, University of Alicante, Spain
Title: Design of nanocomposites by interfacing biopolymers with metal oxides and metal organic frameworks (MOFs)
Nathalie Steunou, Université Paris Saclay, France
Title: Dynamic metabolic control analysis on *Cupriavidus necator* predicts effects of environmental conditions on PHB production from glycerol
Chenhao Sun, The University of Manchester, UK
Title: Biocomposites reinforced with nanocellulose/graphene hybrid nanofillers
Sarah Montes, IK4-CIDETEC, Spain
Title: Thermal characterization of vegetable tannin reinforced TPU-based bio-composites
Fatma ERDOGAN, Ege University, Turkey
Title: Towards a biomass based polymer industry: Synthesis, characterization and process optimization of bioderived renewable polyesters
Mónica Lomelí-Rodríguez, University of Liverpool, UK

Panel Disscussion

Lunch Break

Sessions: **Bioplastics Types**

Workshop

Ttile: Advances in the use of biobased resources in polymer products
Dawn A. Smith, Scion, New Zealand

Video Presentation

Title: Properties of hydrochloric chitosan solutions modified with nano-calcium phosphate complex
Luciano Pighinelli, Lutheran University of Brazil, Brazil
Title: Innovation trend on sustainable bioplastics: the case of furanoate
Valentina Siracusa, University of Catania, Italy

Poster Presentations

BP 01 **Title: Study of frying oil use in biodiesel production, applying techniques of environmental management in university city UEMS/UFGD**
Carmem Cicera Maria da Silva Campelo, Federal University of Grande Dourados, Brazil

BP 02 **Title: Study of the degree and speed of disintegration of PLA commercial grades as a function of material shape and thickness**
Elena Domínguez Solera, AIMPLAS, Spain

BP 03 **Title: natural deep eutectic solvents based on choline chloride as a green plasticizer to produce chitosan based films**
Hiléia K. S. Souza, University of Porto, Portugal

BP 04 **Title: Keratin-based biomaterials**
Sarah Montes, IK4-CIDETEC, Spain

BP 05	**Title: MDBP- Microbial degradation of bio-polymers** **Asma Alhosni,** The University of Manchester, UK
BP 06	**Title: Influence of the water soluble polymer polyvinyl alcohol on compost and soil fungal communities** **Somayeh Mollasalehi,** University of Manchester, UK
BP 07	**Title: Flexible Edible Films based on babassu: Physical and Barrier Properties** **Farayde Matta Fakhouri,** University of the Campinas, Brazil
BP 08	**Title: Effect pink pepper oil incorporation in the mechanical properties of gelatin films** **Amanda Dambrós Pereira,** University Federal of Grande Dourados, Brazil
BP 09	**Title: Comparison of barrier properties and solubility films collagen based** **Cristina Tostes Filgueiras,** Universidade Federal da Grande Dourados, Brazil
BP 10	**Title: Viability study the use of glycerol transesterified in the production of biofilms** **Carmem Cicera Maria da Silva Campelo,** Federal University of Grande Dourados, Brazil
BP 11	**Biodegradability of thermoplastic resins based on P3HB biosynthesized from waste plant oil** **Tomas Porubsky,** BUT, Czech Republic

Networking & Refreshment Break

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