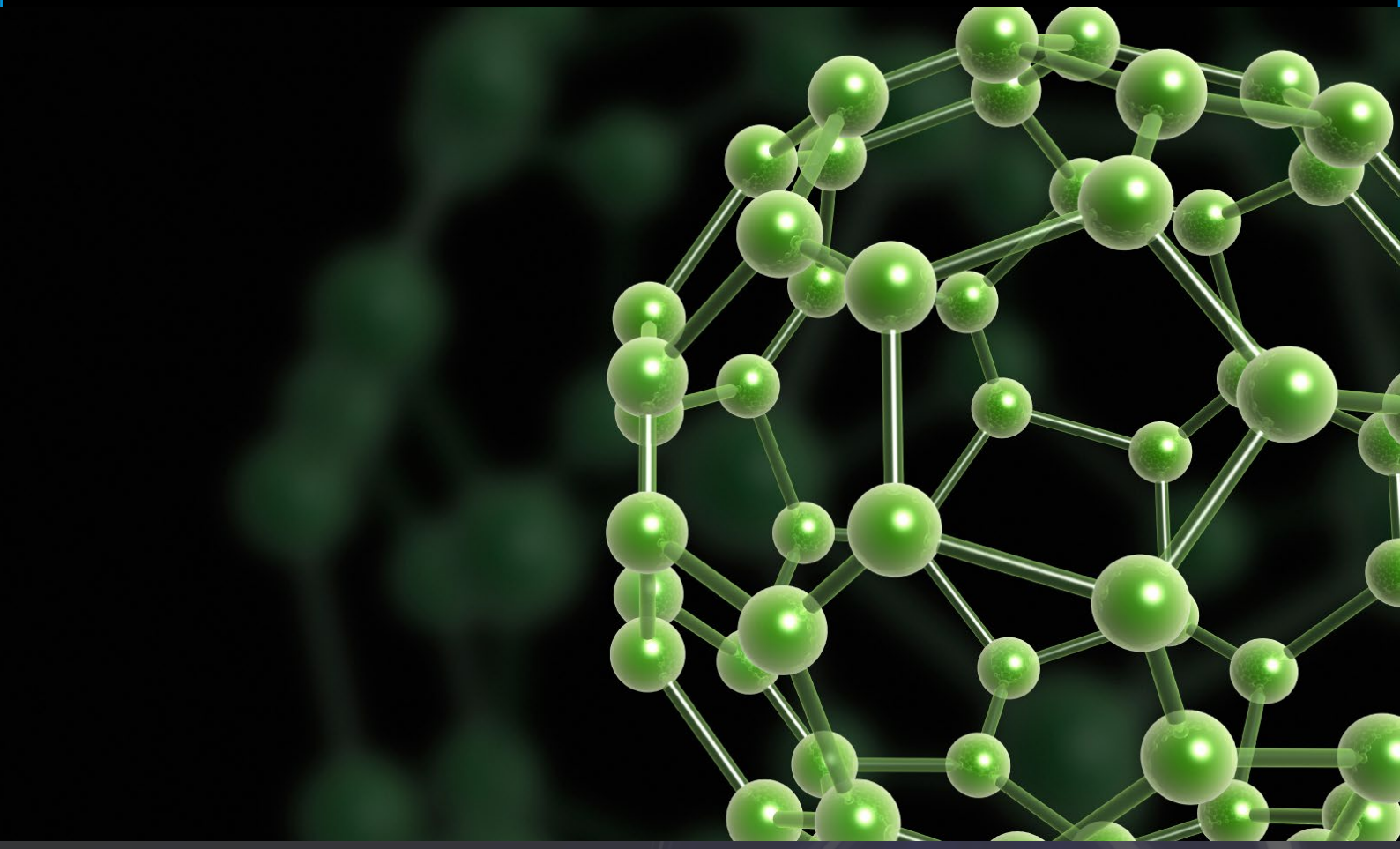
Tentative Program

2nd World Congress on

Polymer Science and Engineering

May 8-9, 2017, Barcelona, Spain



Interactive Sessions

Keynote Lectures

Plenary Lectures

Workshops

Exhibitors

B2B Meetings

For available speaker slots

polymercongress@materialsconferences.org

Sessions and Topics at a glance:

- Polymers at a Glance
- Polymer Chemistry
- Functional Polymers
- Green Polymers: Biopolymers & Bioplastics
- Smart Polymers
- Polymer Nano-Technology
- Forensic Polymer Engineering
- Polymer Additives and Re-Enforcements
- Engineering Polymers, Production and Commercialization
- Polymer Physics
- Polymer Pollution and Waste Management
- Applications of Polymers

May 08-09, 2016 Barcelona, Spain

Program at a Glance

Day 1

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	5 Speakers (20 Mins Each)	
Lunch Break 12.40-13.30		
13.30-15.30	6 Speakers (20 Mins Each)	
Coffee/Tea Break 15.30-15.45 (Networking)		
15.45-17.25	5 Speakers (20 Mins Each)	

Morning Sessions

Evening Sessions

19 Speakers for Day 1

Day 2

	Time	**Session 1**	**Session 2**
09.00-10.40		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
Coffee/Tea Break 10.40-10.55 (Networking)			
10.55-12.35		5 Speakers (20 Mins Each)	5 Speakers (20 Mins Each)
Lunch Break 12.35-13.25			
13.25-15.05		**5 Speakers (20 Mins Each)**	**5 Speakers (20 Mins Each)**
Poster Sessions			
Coffee/Tea Break 15.05-15.20 (Networking)			
15.20-17.00		**5 Speakers (20 Mins Each)**	**5 Speakers (20 Mins Each)**

Morning Sessions

Evening Sessions

40 Speakers on Day 2

Glimpses of Polymer Science Conference



















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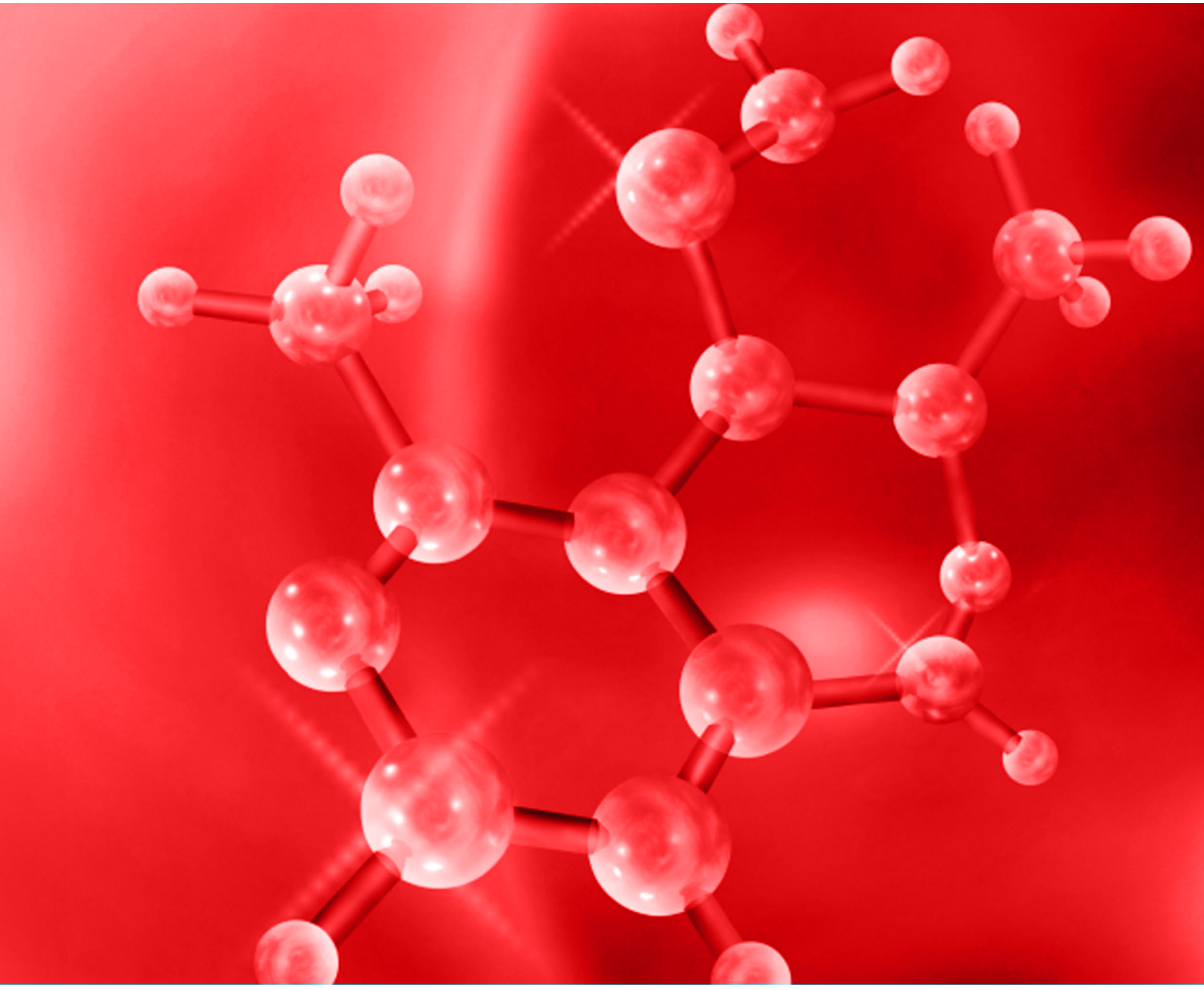
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Scientific Program

International Conference on

POLYMER SCIENCE & ENGINEERING

August 22-24, 2016 New Orleans, USA



Hosting Organization: Conference Series LLC
2360 Corporate Circle., Suite 400 Henderson, NV 89074-7722, USA
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Email: polymerscience@insightconferences.com, polymerscience@conferenceseries.net

International Conference on

POLYMER SCIENCE & ENGINEERING

August 22-24, 2016 New Orleans, USA

Title: Brief history of plastics and how they conquered the world
Mosongo Moukwa, PolyOne Designed Structures and Solutions, USA

Title: New chemical approaches to complete solvent removal and their applications in preparation of non-porous and porous PLGA microspheres
Hongkee Sah, Ewha Womans University, Republic of Korea

Title: MWCNT doped PVDF: Nanocomposite films and their Raman spectral analysis

Padmaja Guggilla, Alabama A&M University, USA

Title: Effect of dispersion process and anionic to non-ionic ratio on properties of waterborne polyurethane dispersion

Suresh Kolekar, Pidilite private Ltd. India

Title: The surface activity of polymeric materials as determined from computational simulation

Guy Francis Mongelli, Case Western Reserve University, USA

Title: IR TMOA-Infrared Transition Moment Orientational Analysis as a valuable method to determine the spatial orientation and order of distinct subunits in polymeric systems

A M Anton, University of Leipzig, Germany

Title: Conducting polymers: Synthesis and kinetic study bypulsedradiolysis

Cecilia Coletta, Université Paris-Saclay, France

Title: Grafting PLA onto GO and its effect on derived nanocomposites

Ana Barros-Timmons, University of Aveiro, Portugal

Title: Strong biodegradability of vinyl polymers exerted by insertion of N-benzyl-4-vinylpyridinium PBVP(Br), halide into the main chain

Nariyoshi Kawabata, University of Shiga Prefecture, Japan

Title: The glass transition temperature of thin polycarbonate films and trinitrotoluene (TNT): Measured by Flash Differential Scanning Calorimetry (Flash DSC)

Nabila Shamim, Texas Tech University, USA

Title: Influence of covalent and ionic crosslinking on structure development in hydrogels assembled via *in situ* photo-polymerization

Saminu M Magami, Edinburgh Napier University, United Kingdom

Title: Studies of near surface dynamics and filler dispersion in nanocomposites

James Hart, Durham University, UK

Title: Quantum nanoparticles doped polymer waveguides for light propagation

Parva Chhantyal, Laser Zentrum Hannover, Germany

Title: Challenges for nano-scale imaging of polymeric nanostructures by electron microscopy
Hiroshi Jinnai, Tohoku University, Japan

Title: Conductive PEI semi-IPN cryogels: Synthesis and characterization

Nurettin Sahiner, Canakkale Onsekiz Mart University, Turkey

Title: Degradable polymers for the oil and gas industry

Sherry Zhu , Schlumberger-Doll Research Center, USA

Title: Powder cellulose nanocrystal (nanowhisker) prepared for functional filler of polymers

Toshihiko Arita, Tohoku University, Japan

Title: Preparation and characterization of functionalized heparin-loaded poly-ε-caprolactone fibrous mats to prevent infection with human papillomaviruses

Daniela Gonzalez, University of Nebraska Lincoln, USA

Title: Biodegradable drug delivery vehicles produced by controlled ring-opening polymerisations

Mthulisi Khuphe, University of Leeds, United Kingdom

Title: Preparation of a nanobiocomposite scaffold containing boron modified bioactive glass nanoparticles and biopolymers of cellulose acetate/pullulan/gelatin and evaluation of its application in dentin tissue engineering

Reza Moonesi Rad, Middle East Technical University, Turkey

Title: On the effect of autofrettage on compressive behavior of fiber metal composite cylinder

Sumana B G, Government Engineering College, India

Title: The catalytic activity of cathode with sputtered cobalt with graphene oxide on carbon paper

Dong Min Kim, Hongik University, Republic of Korea

Title: Ionic liquid-based polymer electrolytes via surfactant-assisted polymerization at the plasma-liquid interface

Ho-Suk Choi, Chungnam National University, Republic of Korea

Title: The use of poly (tris(2-aminoethyl)amine-co-glycerol diglycidyl ether microgel as template for Co, Ni nanoparticles and their use as catalyst for H_2 production from $NaBH_4$ hydrolysis

Nurettin Sahiner, Canakkale Onsekiz Mart University, Turkey

Title:The preparation of imidazolium based composite polymeric ionic liquid microgels containing Co metal nanoparticles and their use as catalyst in hydrolysis of $NaBH_4$

Nurettin Sahiner, Canakkale Onsekiz Mart University, Turkey

Title: Synthesis of novel type of functional macromolecules by quasi living polymerizations and subsequent modifications

Balázs Pásztói, Hungarian Academy of Sciences, Hungary

Title: Latest developments in hardware and applications for advanced, multi-detector GPC/SEC

Carrie Schindler, Malvern Instruments, USA

Title: Modern tools for analyzing morphology and nano-mechanical properties of polymers

Matt thompson, JPK Instruments, Germany

Title: Mechanical and nanoindentation studies on nano-layered silicate reinforced recycled glass-filled polyamide 12 nanocomposites

Mahdi Saud Alajmi, Public Authority for Applied Education and Training, Kuwait

Title: Towards the realization of post-silicon smart systems: IPMC based sensors

Salvatore Graziani, University of Catania, Italy

Title: Preparation of a photoactive 3D polymer pillared with metalloporphyrin

Rahmatollah Rahimi, Iran Universty of Science and Technology, Iran

Title: Co, Ni and Cu metal nanoparticle containing cationic p(MTMA) microgel composites as catalyst for H_2 generation and nitro compound reductions

Omer F Ozturk, Canakkale Onsekiz Mart University, Turkey

Title: Photocatalytic properties of TiO_2-Graphene nanocomposite as a 2D polymer photosensitized with porphyrin

Rahmatollah Rahimi, Iran University of Science and Technology, Iran

Title: Effect of surface modification of multi wall carbon nanotubes on the electrical properties of the polymer composite epoxy/CNT

Milena Kurkowska, Warsaw University of Technology, Poland

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659th Conference

Scientific Program

3rd International Conference and Exhibition on

Biopolymers & Bioplastics

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



Hosting Organization:
Conference Series LLC
2360 Corporate Circle., Suite 400 Henderson, NV 89074-7722, USA
Ph: +1-888-843-8169, Fax: +1-650-618-1417, Toll free: +1-800-216-6499
Email: biopolymer@conferenceseries.net

3rd International Conference and Exhibition on

Biopolymers & Bioplastics

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

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

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

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

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

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

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

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

Title: Biodegradation of biopolymers under soil and compost conditions

Asma Said Khalid Al Hosni, University of Manchester, UK

Title: High Performance, high bio-content thermosets for composites and coatings

Dean Webster, North Dakota State University, USA

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

Title: Valorisation of food wastes through acidogenic fermentation

María C Veiga, University of A Coruña, Spain

Title: Study on the curing characteristics and synthesis process of modified urea-formaldehyde resin with low formaldehyde release

Jiyou Gu, Northeast Forestry University, China

Title: Thermal treatment of soybean protein and its effects on the water resistance of soybean protein adhesive

Zhen-Hua Gao, Northeast Forestry University, China

Title: Preparation and performance of water-borne acrylic wood coatings modified by rice husk ash

Shuangying Wei, Northeast Forestry University, China

Title: Comparative analysis between maize and cassava starch through XPS

Yanhua Zhang, Northeast Forestry University, China

Title: Zinc Oxide nanoparticles control skin infection and improve dermal wound healing in Humans

Rebeca Betancourt Galindo, Centro de Investigación en Química Aplicada, Mexico

Title: Surface modified chitin with silane as reinforcement in mortar composites

Anju Ramakrishnan, Indian Institute of Technology Madras, India

Title: The survival-dose effect model of microorganism implanted by low energy N^+

Ning Zhang, Chinese Academy of Forestry, China

Title: Understanding biodegradability-The science, the misuse and true value proposition

Ramani Narayan, Michigan State University, USA

Title: Bio-based and biodegradable compostable plastics: Logic, definitions and testing methods

Ramani Narayan, Michigan State University, USA

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

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2nd World Congress on

Biopolymers

August 04-05, 2016 Manchester, UK

Scientific Program



Hosting Organizations: Conference Series LLC

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Email: biopolymercongress@insightconferences.com; biopolymercongress@conferenceseries.com

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
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
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
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
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
Conformational transitions of uracil transporter-uraa from *escherichia coli*: A molecular simulation study
Xi Zhao, Jilin University, China
Title: Development and in vivo evaluation of a Copper IUD coated with a biodegradable polymer
Abi Santhosh Aprem, HLL Lifecare Ltd, India
Title: Furfuryl low-molecular-weight chitosan derivative as anti-adhesion after tendon regeneration surgery
Tae-Il Son, Chung-Ang University, Republic of Korea
Title: Isolation and characterisation of pha-producing bacteria from the environment.
Aisha Alwuhaib, University of Portsmouth, UK
Title: Investigations of takeout proteins' ligand binding and release mechanism using molecular dynamics simulation
Xu-ri Huang, Jilin University, China
Title: Biopolymer chitosan/montmorillonite/nano γ-Al_2O_3 nanocomposites: Preparation and characterization
Nahid Shajari, Islamic Azad University, Iran
Title: Tearing resistance of blown biodegradable films based on PLA
Norma Mallegni, University of Pisa, Italy
Title: Multiscale simulations of a peptide - Zinc oxide composite
Immanuel Schäfer, University of Stuttgart, Germany
Title: Radiation copolymerization of different monomers and polymers producing hydrogels applied in water treatment processes
Reem Mohammed, Ain Shams University, Egypt
Title: Isolation and characterization of polyvinyl alcohol (PVA) degrading fungal strians from soils
Somayeh Mollasalehi. University of Manchester, United Kingdom
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
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