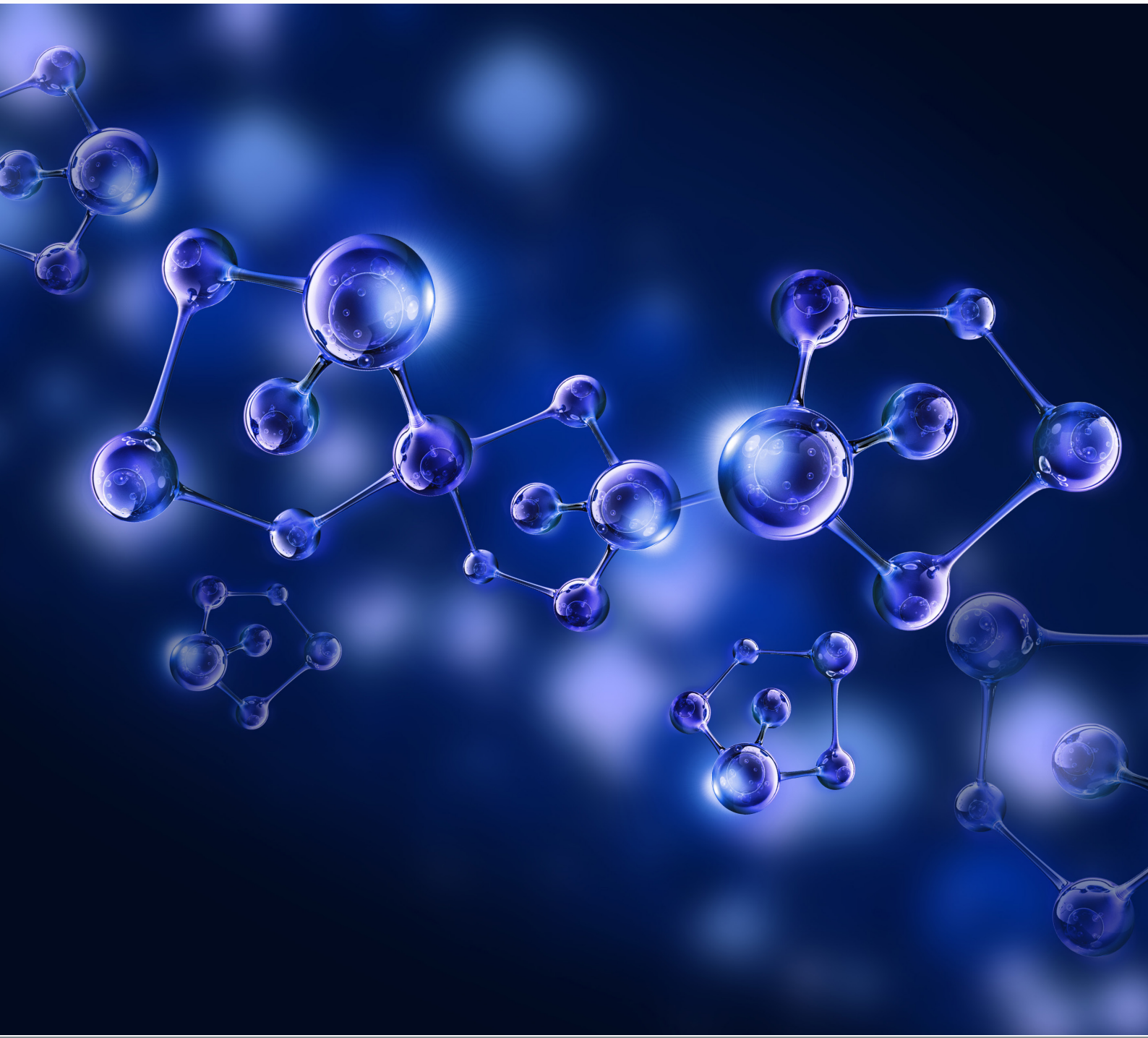
4th Edition of International Conference on

POLYMER SCIENCE AND TECHNOLOGY



June 04-05, 2018
London, UK

EuroSciCon

https://polymerscience.euroscicon.com/

Polymer Congress 2018

Agenda Day 1: June 04, 2018

Meeting Hall - Bleriot 1

08:00-09:00 Registrations

09:00-09:20 Opening Ceremony

09:20-09:30 Introduction

Keynote Forum

09:30-10:10 **Title: The effect of an acrylic polymer wax control additive as a cold flow solution for wax challenges**

Jessica Gould, Croda Europe LTD, UK

10:10-10:50 **Title: Ultrahigh-temperature phthalonitrile nanocomposites with functionalized silicon-based nanoparticles: Structure, dynamics and properties**

Vladimir A Bershtein, Ioffe Institute, Russia

Networking & Refreshment Break 10:50-11:05 @ Breakout Area

Sessions: Polymer Science-The Next Generation | Polymers And The Future Of Industries | Polymer Material Science And Engineering | Polymer Nanotechnology | Polymer Chemistry | Composite Polymeric Materials

Session Chair: Lianbin Zhang, Huazhong University of Science and Technology, China

Session Co-Chair: Szczepan Zapotoczny, Jagiellonian University, Poland

Session Introduction

11:05-11:30 **Title: OEGylated dendronized polymers for stimuli-responsive materials**

Afang Zhang, Shanghai University, China

11:30-11:55 **Title: Characterization of poly(lactic acid) foams produced by extrusion with different chemical blowing agents**

Akos Kmetty, Budapest University, Hungary

11:55-12:20 **Title: Deposition and control of polymer dielectrics for OTFTs**

Hazel Assender, University of Oxford, UK

12:20-12:45 **Title: Evaporative structuring of solutions of active blends for molecular electronics applications**

Jasper Michels, Max Planck Institute for Polymer Research, Germany

Group Photo & Lunch Break 12:45-13:35 @ RBG

13:35- 14:00 **Title: Assembly of block copolymers in 3D confined geometries**

Jintao Zhu, Huahzong University of Science & Technology, China

14:00-14:25 **Title: Promising tailor made nanocapsules based on biopolymer for antibiotic therapy**

Sabrina Belbekhouche, University of Paris, France

14:25-14:50 **Title: Suface-grafted polymer brushes with ladder-like architecture**

Szczepan Zapotoczny, Jagiellonian University, Poland

14:50-15:15	**Title: Acrylic acid grafted biopolymer chitosan/TiO_2 based nanocomposite for application in solar light induced photocatalytic degradation** **Dhiraj Sud**, Sant Longowal Institute of Engineering and Technology, India
15:15-15:40	**Title: Incremental sheet forming for manufacturing customized UHMWPE cranial implants** **Isabel Bagudanch**, **Ines Ferrer, Maria Lusia**, University of Girona, Spain
15:40-16:05	**Title: Combined/copolycondensation: sustainable methods for biobased polymers** **Rosica Mincheva,** University of Mons, Belgium

Networking & Refreshment Break 16:05-16:20 @ Breakout Area

16:20- 16:40	**Title: Introduction of WATIFY- - The technological transformation** **Shirley Vollenberg,** EU projects, Netherland
16:40-17:05	**Title: Dynamic polymer networks based on reversible aromatic disulfide bond: From self-healing to processability, recyclability and more** **Alaitz Rekondo,** CIDETEC Foundation, Spain
17:05- 17:30	**Title: Semi interpenetrating networks of chitosan /acrylic acid / thiourea for sequestering cadmium from aqueous solution** **Kamlesh Kumari,** Sant Longowal Institute of Engineering and Technology, India

Agenda Day 2 June 05, 2018

Meeting Hall - Bleriot 1

09:00-09:30 Registrations

Keynote Forum

09:30-10:10	**Title: Phenomenological review of LCP/PET droplet fibrillation by repeated extrusion for nanofiber formation** **Han-Yong Jeon**, INHA University, South Korea

Session Introduction

Sessions: Polymer Physics | Role Of Polymers In Biology And Biological Systems | Applications Of Polymers | Advanced Polymer Structures | Polymers In Wastes And Their Environmental Impact

Session Chair: Afang Zhang, Shanghai University, China

Session Co-Chair: Hazel Assender, University of Oxford, UK

10:10-10:35	**Title: Polymeric photothermal membranes for interfacial solar heating** **Lianbin Zhang,** Huazhong University of Science and Technology, China
10:35-11:00	**Title: Bismuth additives for silicon oils as a "green" alternative** **Andres Eduardo Ciolino**, PLAPIQUI-CONICET UNS, Argentina

Networking & Refreshment Break 11:00-11:15 @ Breakout Area

11:15-11:40	**Title: Exploration of the metal-organic framework/polymer interface in mixed matrix membranes** **Sergio Tavares**, Université de Montpellier, France
11:40-12:05	**Title: Near-surface crystallization in polyesters** **Hazel Assender**, University of Oxford, UK

12:05-12:30	**Title: Precisely tuning helical twisting power via photoisomerization kinetics of dopants in chiral nematic liquid crystals** **Yonggui Liao**, Huazhong University of Science and Technology, China

YRF SESSION @ Bleriot 1

12:30-12:50	**Title: Finite element material model for the prediction of the thermal conductivity of highly filled polymers** **Jochen Gaiser**, University of Applied Sciences Karlsruhe, Germany

Lunch Break 12:50-13:40 @ RBG

13:40-14:00	**Title: Superhydrophobic coatings from water-based beeswax emulsions** **Sara Naderizadeh**, Italian Institute of Technology , Italy
14:00-14:20	**Title: Investigation of biocompatible Thiol/Yne formulations for 3D printing of medical scaffolds** **Daniel Hennen**, Montan university Leoben, Austria
14:20-14:40	**Title: Study of coumarin incorporation in therapeutic polymers** **M. José Carrero**, University of Castilla-La Mancha, Spain
14:40-15:00	**Title: Poly(phenylene methylene): A thermally stable, processable hydrocarbon polymer with unexpected photoluminescence** **Andreas Braendle**, ETH Zurich, Switzerland
15:00- 15:20	**Title: Novel approaches to analyze interior lamellae and assembly in spherulitic morphology of poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid) crystallized with poly(vinyl methyl ether)** **Chung-Hao Chen**, National Cheng Kung University, Taiwan
15:20- 15:40	**Title: Synthesis and morphological insights into novel, stable and biocompatible smart hydrogels with prospective wound healing properties** **Deepa Suhag**, Amity University, India

15:40-16:40 Poster Presentaions @ Foyer

PC 1	**Title: Determination of semicarbazide in fish by molecularly imprinted stir bar sorptive extraction coupled with high performance liquid chromatography** **Qin Hu**, Nanjing Medical University, China
PC 2	**Title: A single dual emissive nanoprobe for quantification of spontaneous glucose in human serum** **Shuhu Du**, Nanjing Medical University, China
PC 3	**Title: DNA-Silver nanoclusters molecular beacons as a novel nanoprobe for sensitive and label-free fluorescent detection of transcription factors** **Xuemin Zhou**, Nanjing Medical University, China
PC 4	**Title: Synthesis and characterization of polypyrrole nanoparticles** **Monika Paúrová**, Institute of Macromolecular Chemistry of the Academy of Science, Czech Republic
PC 5	**Title: Characterization of composite films prepared by in-situ polymerization of styrene/butyl acrylate in nanoporous cellulose gels** **Dae Su Kim**, Chungbuk National University, Korea
PC 6	**Title: Effect of interface interaction on the mechanical properties of the graphene reinforced nanocomposites** **Ommeaymen Sheikhnejad**, Johannes Kepler University Linz, Austria
PC 7	**Title: Preparation of bio-compatible and UV-curable elastic materials with HEMA as a diluent** **Ji eun jang**, KITECH, the Republic of KOREA

PC 8

Title: The properties of superabsorbent polymers synthesized with acrylate based crosslinking agents

Yoo jin kim, KITECH, the Republic of KOREA

PC 9

Title: Silica dispersion in the Si-SBR composites: Synthesis of poly(glycidyl methacrylate-co-styrene) as a reactive dispersant by emulsion copolymerization.

Haechan Kim, KITECH, the Republic of KOREA

PC 10

Title: A comparative study on the dispersion effects of various dispersantsin modified Si-SBR composites

Min Seong Kim, KITECH, the Republic of KOREA

PC 11

Title: Post-treatment process to enhance the performances of super absorbent polymers

Seok Ju Hong, KITECH, the Republic of KOREA

PC 12

Title: Improved permeability and absorption of superabsorbent polymers by using ethylene glycol diglycidyl ether as a surface cross-linking agent.

Wooseung Shin, KITECH, the Republic of KOREA

PC 13

Title: The silica dispersing effects of silica-SBR composites with dispersing agent : poly(styrene-allyl alcohol) and poly(-styrene-methyl methacrylate)

Byeongkwan Kang, KITECH, the Republic of KOREA

PC 14

Title: Investigation on the mechanical, barrier and degradation properties of polyglycolic acid synthesized via ring-opening polymerization

Bowen Tan, Pujing Chemical Industry, UK

Panel Discussion

Awards & Closing Ceremony