

# Scientific Program

4<sup>th</sup> International Conference on

# POLYMER CHEMISTRY

June 25-27, 2018 | Stockholm, Sweden



Conference Series llc LTD

47 Churchfield Road, London, W36AY, UK, T: +44-20 3936 3178

## Spirit

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09:15-09:30

## Opening Ceremony

## Keynote Forum

## Introduction

09:35-10:20

**Title: Functional polymers to remove inorganic contaminants****Bernabe L. Rivas**, University of Concepcion, Chile

10:20-11:05

**Title: Diamond surface modification for biomolecule interactions in the design of medical implants****Karin Larsson**, Uppsala University, Sweden

## Group Photo

Networking &amp; Refreshment Break 11:05-11:20 @ Foyer

11:20-12:05

**Title: Sequence precisely controlled co-polymerization by using rare-earth metal catalysts****Dongmei Cui**, Changchun Institute of Applied Chemistry-CAS, China

## Sessions:

Supramolecular Polymers | Functional Polymer and its Applications | Recent Developments in Polymer Synthesis

Session Chair: **Bernabe L Rivas**, University of Concepcion, ChileSession Co-chair: **Fogorasi Magdalena Simona**, Aurel Vlaicu University of Arad, Romania

## Session Introduction

12:05-12:40

**Title: Worm-like vesicles prepared by photo nitroxide-mediated controlled/living radical polymerization induced self-assembly****Eri Yoshida**, Toyohashi University of Technology, Japan

12:40-13:15

**Title: Designing smart extracellular matrix mimetic hydrogels for tissue engineering****Oomen P Oommen**, Tampere University of Technology, Finland

## Lunch Break 13:15-14:15 @ PAUS

14:15-14:50

**Title: Methanol-induced crack healing in poly(methyl methacrylate)/graphene nanocomposites****Sanboh Lee**, National Tsing Hua University, Taiwan

14:50-15:25

**Title: Can  $\epsilon$ -caprolactone improve dispersibility and interfacial adhesion of graphene oxide in polyamide based nanocomposites?****Jaroslav Minar**, University of Chemistry and Technology, Czech Republic

15:25-16:00

**Title: Investigation on dual effects of photosensitive liquid crystalline polyesters****Krishnasamy Balaji**, PSG Institute of Technology and Applied Research, India

## Networking &amp; Refreshment Break 16:00-16:15 @ Foyer

16:15-16:50

**Title: Fabrication of polymer-protein hybrids****Hanying Zhao**, Nankai University, China

16:50-17:25

**Title: Synthesis and melt behavior of comb-like (co)polymers with high branching degree****Tao Tang**, Changchun Institute of Applied Chemistry- CAS, China

## Pannel Discussion



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Keynote Forum

09:30-10:15 Title: Glycosaminoglycan derived nanocarriers: Exploiting natural biopolymers for tumor targeting and mitigating immune activation

Oomen P Oommen, Tampere University of Technology, Finland

10:15-11:00 Title: Synthesis of polyamidoamine hydrogel particles for environmental applications

Sang Youl Kim, Korea Advanced Institute of Science and Technology, Korea

Networking & Refreshment Break 11:00-11.15 @ Foyer

11:15-12:00 Title: Biomedical Applications of ECM derived polymers

Ayan Samanta, Uppsala University, Sweden

Poster Presentations 12:00-12:45 @ Spirit

Poster Judge: Hanying Zhao, Nankai University, China

EPC-01 Title: Antibacterial properties of PET fabrics coated with copper nanoparticles through sonochemical process

Byung Gil Min, Kumoh National Institute of Technology, Korea

EPC-02 Title: Triblock copolymer-based liquid crystalline systems for intravaginal drug delivery

Marlus Chorilli, UNESP—Universidade Estadual Paulista, Brazil

EPC-03 Title: Polyethyleneimine and chitosan polymer-based liquid crystalline platforms intended for vaginal drug delivery

Marlus Chorilli, UNESP—Universidade Estadual Paulista, Brazil

EPC-04 Title: Silk fibroin/polyethyleneimine hydrogel for high performance removal of methyl blue from water

Chirag Godiya, Southeast University, China

EPC-05 Title: Sonochemical synthesis and characterization of novel 2D metal organic coordination polymer compounds

Payam Hayati, University of Sistan and Baluchestan, Iran

Lunch Break 12:45-13:45 @ PAUS

Sessions:

Polymer Engineering and Technology | Nanopolymers and Nanotechnology | Future Scope of Polymer Science | Biodegradable Polymers

Session Chair: Sanboh Lee, National Tsing Hua University, Taiwan

Session Co-chair: Tao Tang, Changchun Institute of Applied Chemistry- CAS, China

Session Introduction

13:45-14:20 Title: Biotechnology – Tool for modification of polymers for textile application

Fogorasi Magdalena Simona, Aurel Vlaicu University of Arad, Romania

14:20-14:55 Title: Preparation of superhydrophobic and antibacterial fabrics through biomimetic lotus effect

Byung Gil Min, Kumoh National Institute of Technology, Korea

14:55-15:30 Title: Polymeric diffusion limited oxidation: Theoretical and experimental convergence

Adam Quintana, University of New Mexico, USA

15:30-16:05 Title: Synthesis of diosgenin containing m-PEG-PCL nanoparticles: Anticancer, antimicrobial and drug delivery studies

Sevinc Ilkar Erdagi, Kocaeli University, Turkey

Panel Discussion

Awards & Closing Ceremony

Networking and Refreshment Break 16:05-16:20 @ Foyer