

Scientific Program

9th World Congress on

Biopolymers & Bioplastics

August 26-27, 2019 | London, UK

UK: Conference Series LLC Ltd
47 Churchfield Road, London, W3 6AY
Toll Free: +0-800-014-8923

DAY-1

August 26, 2019

Meeting Hall: **Conference Room**

08:00-08:30 Registrations

Opening Ceremony **08:30-08:55**

KEYNOTE FORUM

08:55-09:00 Introduction

09:00-09:30 **Title: Circular seas-new challenges for biopolymers**
Geoffrey R. Mitchell, Centre for Rapid Product Development, Polytechnic of Leiria, Portugal

09:30-10:00 **Title: Protein Plastics**
Mikael S. Hedenqvist, KTH Royal Institute of Technology in Stockholm, Sweden

10:00-10:30 **Title: The polymerization shared facility accelerating polymer innovation**
Marcel Van Berkel, Polymerization shared facility, The Netherland

GROUP PHOTO

Networking & Refreshments 10:30 -10:45 @ Sylt Foyer

Sessions: Biomaterials and Biocomposites | Natural Polymers | Biopolymers for Tissue Engineering and Regenerative Medicine | Green Composites in Biopolymers | Polymer Physics and Chemistry

Chair: Geoffrey R. Mitchell, Centre for Rapid Product Development, Polytechnic of Leiria, Portugal

INTRODUCTION

10:45-11:05 **Title: Covalent incorporation of lignin into polymeric binders: Challenges, property design and applications**
Lydia Heinrich, Fraunhofer WKI Institute for Wood Research, Germany

11:05-11:25 **Title: Culture and harvest of mesenchymal stem cells on temperature-responsive glass sphere based carriers**
Lei Yang, Liaoning Shihua University, China

11:25 -11:45 **Title: Study of synthesis of biodegradable plastics from Alkaline fermented excessive activated sludge**
Yaohui Liu, Technological and Higher Education Institute of Hong Kong, Hong Kong

11:45-12:05 **Title: Effect of silane coupling agent on properties of laminar crosslinked tapioca starch composite foam with corn husk**
Manisara Phiriyawirut, King Mongkut's University of Technology Thonburi, Thailand

12:05-12:25 **Title: 3D Optical properties of N-(Hydroxymethyl)acrylamide polymer gel dosimeters for radiotherapy treatment planning system**
Khalid Rabaeh, The Hashemite University, Jordan

Lunch Break 12:25-13:15 @ RBG

Sessions: Biodegradable Polymers | Synthetic polymers, Nanopolymers and Nanotechnology | Biopolymers as Materials

Chair: Mikael S. Hedenqvist, KTH Royal Institute of Technology in Stockholm, Sweden

13:15-13:35 **Title: Raw protein hydrolysates from tanning industry in blends with Polybutylene succinate adipate (PBSA) for agricultural applications**
Maurizia Seggiani, University of Pisa, Italy

13:35-13:55 **Title: Recycling of silicon coated paper and design of new cellulose based materials**
Joana M R Curto, University of Beira Interior, Portugal

13:55 -14:15 **Title: Nanocomposites foams of polypropilene modified by ionizing radiation containing CaCo3/ag^o nanoparticles of bio-calcium carbonate-study of bactericidal effect**
Duclerc F Parra, Instituto de Pesquisas Energeticas e Nucleares – IPEN, Brazil

14:15-14:35 **Title: Influence of particle size of bio-calcium carbonate used as reinforcement of PBAT/PLA bio-based foams compatibilized with ionizing radiation**
Elizabeth C L Cardoso, Instituto de Pesquisas Energéticas e Nucleares, Brazil

14:35-14:55 **Title: Chitosan films for removal of a surfactant from aqueous solution**
Nilay Kahya, Istanbul Technical University, Turkey

YOUNG RESEARCH PROGRAM PRESENTATIONS

Sessions: Recycling & Waste management of Polymers | Polymer Processing and Modelling | Polymers Application in Medicine, Health, Biotechnology and others

14:55-15:10 **YRF: Unexplained effect of commercial stabilizers on poly(3-hydroxybutyrate) during processing**
Veronika Melcova, Brno University of Technology, Czech Republic

15:10-15:25 **YRF: Determination of biomicroplastic contamination of soil and compost**
Jakub Fojt, Brno University of Technology, Czech Republic

15:25-15:40 **YRF: Development of a novel polymer-based mRNA coating for surgical suture to enhance wound healing**
Antonia Link, University Hospital Tuebingen, Germany

15:40-16:00 **YRF: Revalorization of loligo spp. pen to produce ultrapure grade β -Chitin and β -Chitosan at the industry level**
Diana Noriega, Pereira Fishing Co. (pty) Ltd, Spain



POSTER SESSIONS @ FOYER 16:00 ONWARDS

Poster Judge: Geoffrey R. Mitchell, Centre for Rapid Product Development, Polytechnic of Leiria, Portugal

Panel Discussion



DAY-2

August 27, 2019

Meeting Hall: **Conference Room**

PANEL DISCUSSION

Networking & Lunch 12:30-13:30 @ Foyer



Bookmark your Dates

10th World Congress on

Biopolymers & Bioplastics

August 03-04, 2020 Zurich, Switzerland

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Website: biopolymers.insightconferences.com