

Scientific Program

2nd E-Meeting on

Polymer Science & Biomaterials

Thursday
August 05, 2021

Day 1 - August 05, 2021 - British Summer Time (BST)

11:00 - 11:10 Introduction

Oral Presentations

11:10 - 11:35 Effect Of Wet And Dry On Banana Fiber Crystallization Behavior
Muhammad Rawi, Malaysian Nuclear Agency, Malaysia

11:35 - 12:00 Solid state rapid additive manufacturing of cooling-responsive shape memory hydrogels
Wei Min Huang, Nanyang Technological University, Singapore

12:00 - 12:25 Dissipative Self-Assembling Materials From Molecular Design To Properties
Jennifer Rodon Fores, Technische Universität München, Germany

12:25 - 12:50 Liposomal Spherical Nucleic Acid Nanoparticles Preparation For Drug Delivery, Gene Therapy, and Diagnostics
N. Toncheva-Moncheva, Bulgarian Academy of Sciences, Bulgaria

Lunch (12:50 - 13:30)

Oral Presentations

13:30 - 13:55 New insights in bioplastics processing and recycling
Maria-Beatrice Coltelli, University of Pisa, Italy

13:55 - 14:20 **Bulgarian Academy of Sciences**, Bulgaria

14:20 - 14:45 Antimicrobial Peptide Mimic Amino Acid based Bioactive Polymers and Composites
Lakshmi Priya Datta, University of Kalyani, India

14:45 - 15:10 Modeling and characterization of Polymer–nanoparticle mixtures: A molecular dynamics study
Zouati Noureddine, University AbouBakrBelkaïd of Tlemcen, Algeria

15:10 - 15:35 Evaluation Of Properties Of Hybrid Composites Of Polyester Waste Alternative Of Glass Fiber Composites
Hafsa Jamshaid, National Textile University, Pakistan

15:35 - 16:00 Design and Development of Multifunctional Superabsorbent Natural Fibre Composites For Bio Medical Applications
Meenakshi S, JSS Dental College and Hospital, India

16:00 - 16:25 Improving the Fatigue Of Newly Designed Mechanical System Subjected To Repeated Impact Loading
Seongwoo Woo, Addis Ababa Science & Technology University, Ethiopia

Poster Presentation

16:25 - 16:40 Synthesis Of Novel Polycaprolactone/Polyglycidol Based Block And Star Copolymers For Design Of Nanosized Drug Delivery Systems - Niosomes
N. Toncheva-Moncheva, Bulgarian Academy of Sciences, Bulgaria

Video Presentation

16:40 - 16:55 Impact of Poly (Styrene–Acrylic Acid) Latex Nanoparticles on Colorectal and Cervical Cancer Cells
Arwa Almahasheer, Imam Abdulrahman bin Faisal University, Saudi Arabia

End of Day 1 Sessions