

2nd Online International Conference on

BIOMATERIALS & BIODEVICES

April 25-26, 2022 | Virtual Conference



Coalesce Research Group

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Scientific Program

2nd Online International Conference on Biomaterials & Biodevices

Monday
April 25, 2022

Day 1 April 25, 2022 (11:00 - 16:35 BST)

11:00-11:10 Introduction

Oral Presentations

11:10-11:35 Supramolecular Chemotherapy: Noncovalent Bond Synergy Of Cucurbit[7]Uril Against Colorectal Cancer

Yueyue Chen, Capital Medical University, China

11:35-12:00 Effect Of Dual Cocatalyst Coox And Ag Zinc Oxide Nanoparticles Around Enterostomy

Jingning Zhou, Nanjing Medical University, China

12:00-12:25 Hybrid Electrode Technology For Adaptive Deep Brain Stimulator Like Neuromodulator Applications.

Jithin Krishnan, Sree Chitra Institute for Medical Sciences and Technology, India

Keynote Presentation

12:25-12:55 Nano Biomaterials For Bio Sensing Devices: Inspiration From Nature

Ashis Tripathy, University of Minho, Portugal

12:55-13:25 WBAN: Wearable Healthcare Solution For Elderly People/Sports

Saurabh Mehta, Vidyalkankar Institute of Technology, India

Lunch(13:25- 14:00)

Oral Presentations

14:00-14:25 An Investigation Of Mechanical Behavior Of The Porous Biodegradable Polymers Produced Via 3D Printing Method

Ahmad Moloodi, Academic Center for Education, Culture and Research, Iran

14:25-14:50 Nanostructured Coatings Containing Natural Substances And Antibiotics For Wound Dressings

Irina Negut, National Institute for Lasers, Plasma and Radiation Physics, Romania

14:50-15:15 Thin Polymer Films With Embedded Selenium Particles For Use In The Field Of Regenerative Medicine

Mokhova E.K, Mendeleev University of Chemical Technology, Russia

15:15-15:40 Modularly Assembled Collagen Laminates For The Directed Release Of Antibiotics

Michelle Fiona Kilb, Technical University of Darmstadt, Germany

15:40-16:05 Toxicological Effects Of Magnetite Nanoparticles Evaluation On Blood Through Blood Agar And Pearls Tinction Tests

Jesús R. Vargas-Ortiz, Universidad Autónoma de Querétaro, Mexico

Poster Presentations

16:05-16:20 Oxygen Solubility Measurement In Perfluorocarbon Emulsions Using The Novel Flow-Through Method

Wojciech Frackowiak, Warsaw University of Technology, Poland

16:20-16:35 Ceramic Bonding To Zirconia Compared To CAD-CAM Cobalt-Chromium Cast Nickel-Chromium

Elie Daou, Lebanese University, Lebanon

Day 1 Concludes

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Tuesday
April 26, 2022

Day 2 April 26, 2022 (10:00 - 13:15 BST)

Keynote presentations

10:00-10:30 *Curvotaxis Mechanism In Single Cells And Epithelia*
Laurent Pieuchot, CNRS, France

10:30-11:00 *Use Of Biogenic Nanomaterial For Sustainable Agriculture*
J. C. Tarafdar, ICAR, India

Oral Presentations

11:00-11:25 *Bioengineered Cornea Lenticule: A Promising Substitute To Donor Cornea Grafts*
Parinita Agrawal, Pandorum Technologies Pvt. Ltd., India

11:25 - 11:50 *Impact of Drug Pressure versus Limited Access to Drug in Malaria Control: The Dilemma*
Chinedu Egwu, Alex Ekwueme Federal University Ndufu-Alike Ikwo, Nigeria

11:50 - 12:15 *Advance Application Of Polymer Biomaterials in the Agriculture*
Neha Sharma, India

12:15 - 12:35 *Oral Health Survey Baseline Findings Zaka And Bikita Districts, In Rural Masvingo*
Rumbidzai Mwaturura, SolidarMed, Zimbabwe

Video presentations

12:35 - 12:50 *An Artificial PVA-BC Composite That Mimics The Biomechanical Properties And Structure Of A Natural Intervertebral Disc*
Mengying Yang, Tsinghua University, China

12:50 - 13:15 *Nanocellulose@Polyetherulfone Composite Nanofiltration As A Complexing Adsorption Modified Surface Membrane For Ions Desalination*
Saly R. El-Dakkony, Egyptian Petroleum Research Institute (EPRI), Egypt

Day 2 Concludes