

Scientific Program

International Webinar on

Biomaterials & Biodevices

Thursday
November 18, 2021

Day 1 - November 18, 2021

10:00 - 10:10 Introduction

Oral Presentations

10:10 - 10:35 Estimation of Sympathetic Nervous Activity from Wearable Sensors using Supervised Machine Learning
Dilpreet Buxi, Philia Labs Pty Ltd, Australia

10:35 - 11:00 Improvement of Mobility of Parkinson's Disease Patients with an Intelligent Wearable System - A Clinical Study
Ying Li, The Hong Kong Polytechnic University, China

Keynote Presentations

11:00 - 11:30 Biodevice for electrical characterization of an adrenergic synapse
Cristian Ravariu, University "Politehnica" Bucharest BioNEC Group, Romania

Oral Presentation

11:30 - 11:55 Biosensor: Energy Management and Signal Reception
Maissa Daoud, University of Sfax, Tunisia

11:55 - 12:20 Nano-functionalized Mg-hydroxyapatite scaffolds promote osteogenic differentiation and antibacterial activity
Giovanna Calabrese, University of Messina, Italy

12:20 - 12:45 I - motifs DNA in the development of fast biocompatible pH sensors
M. Sardushkin, Mendeleev University of Chemical Technology, Russia

Lunch Break (12:45 - 13:15)

13:15 - 13:40 Apatite based glass - ceramics for dental applications
Sumana Ghosh, CSIR - Central Glass and Ceramic Research Institute (CSIR - CGCRI), India

13:40 - 14:05 Carbon nanomaterials for fabrication of aptamer based electrochemical point-of-care devices
Arpana Parihar, Microfluidics & MEMS Center CSIR-Advanced Materials & Processes Research Institute (AMPRI), India

14:05 - 14:30 Designing Therapeutic Nanoparticles For Targeted Drug Delivery System
Gozde Kayadibi Koygun, Selcuk University, Turkey

Poster Presentation

14:30 - 14:45 Hemp Building Construction: Analysis and Reflections on the Bio - brick in Lime and Hemp
Maria Chiara Capasso, Università degli Studi G. D'Annunzio, Italy

Keynote Presentations

14:45 - 15:10 Comparison of the quality of life of women in the third and fourth cycle of chemotherapeutic treatment with apparently healthy women
Vitor Alves Marques, Federal University of Goias, Brazil

15:10 - 15:40 Exploring Novel Researches in Biomedical Electronics and Devices
Eduardo Pinos - Vélez, Universidad Politécnica Salesiana, Ecuador

Oral Presentation

15:40 - 16:05 Characterization of acacia caesia bark fibres (acbf)
Sivasubramanian Palanisamy, Dilkap Research Institute of Engineering and Management Sciences, India

End of Day 1

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Friday
November 19, 2021

Day 2 - November 19, 2021

Oral Presentations

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| 10:00 - 10:25 | Exosomes – delivery vehicle of cancerostatics as well as polymer therapeutics
Olga Janoušková , Jan Evangelista Purkyn university, Czech Republic |
| 11:25 - 11:50 | Development and characterization of a natural, fungi based, biocomposite
Paula Braga , Universidade de Trás - os - Montes e Alto Douro, Portugal |
| 11:50 - 12:15 | Modeling of non - stationary process of structurally inhomogeneous materials such as foam, human and synthetic bone, and others based on using Cosserat elasticity
Olena Mikulich , Lutsk National Technical University, Ukraine |
| 12:20 - 12:50 | Application of nanoparticles in sensing the biological systems
Narges Elahi , Baqiyatallah University of Medical Sciences, Iran |

Lunch Break (12:50 - 13:20)

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| 13:20 - 13:45 | Low Complexity DWT Architecture Implementation for Feature Extraction using Different Multipliers
John Sahaya Rani Alex , VIT University, India |
| 13:45 - 14:10 | Biosynthesized Nanomaterial for Agricultural Application
J. C. Tarafdar , Former UGC Emeritus Professor & ICAR Emeritus Scientist, India |
| 14:10 - 14:35 | Green electrospun nanofibers as a wound dressing
Sanjeev Kumar Mahto , Banaras Hindu University, India |
| 14:35 - 15:00 | Evaluation and comparison of anti - inflammatory properties of Ibuprofen using two drug delivery system after third molar surgery - Using chitosan microspheres as a carrier for local drug delivery in to the third molar socket and through oral route
Balamurugan R , Rya Cosmo Foundation, India |

End of Day 2