Scientific Program

Materials Science & Nanobiotechnology 2019

Agenda Day 1: August 26, 2019

09:00-09:30 Registration

09:30-09:55 Opening Ceremony

09:55-10:00 Introduction

Session Start@M3

Keynote Presentations

10:00-10:45 **Title: The Application Of Nanoparticles In Medicine And Electronics**
Michael Giersig, Freie Universität Berlin, Germany

10:45-11:30 **Title: Hierarchical layered double hydroxide nanocomposites for drug and siRNA delivery**
Li Li, University of Queensland, Australia

GROUP PHOTO 11:30- 11:35

Networking & Refreshment Break 11:35-11:50@Foyer

Session Introduction

Sessions: Materials Science and Engineering | Energy Materials | biomaterials and Tissue Engineering | Nanotechnology in Materials Science | Polymer science and engineering | Graphene and 2D Materials | Polymeric Materials and electochromic Materials| Nanotachnology | Futre of Nanotech and Nanobiotechnology | Nanobiotechnology | Nanoelectronics | Nanomaterials

Session Chair: Fathi Shaqour, University of Jordan, Jordan
Session Co-Chair: Mineo Hiramatsu, Meijo University, Japan

11:50-12:25 **Title : Dendrimers for Multimetallic Nanomaterials**
Kimihisa Yamamoto, Tokyo Institute of Technology, Japan

12:25-13:00 **Title: The entropy variation rate and lyapunov exponents of a nonequilibrium system**
Ming B Yu, USA

13:00-13:35 **Title : Responsive biopolymer materials for controlled removal of waterborne environmentally relevant anions**
Lee D Wilson, University of Saskatchewan,Canada

Lunch Break 13:35-14:30 @Foyer

14: 30-15:05 **Title: Liquide metal particles used to treat Pathogenic Mature Biofilms Via Magneto-Physical Activation**
Vi Khanah Truong, RMIT University, Australia

15: 05-15:40 **Title : 3D Graphene network: synthesis and emerging applications**
Mineo Hiramatsu, Meijo University, Japan

Young Researchers Forum

15:40-16:15 **Title: Study and prioritization of global supply chain integration influencing variables using fuzzy AHP and fuzzy TOPSIS**
Kadhim Al Sahlani, University of Newcastle, Australia

Video Presentation @16:15-16:30

Networking & Refreshment Break 16:30-16:50@Foyer

Poster Presentation 16:50-17:10 @Foyer

P1 **Title: Insights into the structural, optical, thermal, dielectric and electrical properties of PMMA/PANI loaded with graphene oxide nanoparticles**
Mymona Mohsen Abutaliba, University of Jeddah, Saudi Arabia

P2 **Title : Metallic syntactic foams with various combinations of filler and matrix materials**
Kadhim Al Sahlani , University of Newcastle, Australia

P3 **Title : Dielectric and ferroelectric properties of the graphene doped hydroxyapatite ceramics**
Asmaa A Hendi, University 0f Jeddah, Saudi Arabia

Day Ends

Day 2 August 27, 2019 @M3

Keynote Presentations

10:00-10:45

Title : Technology In Science- New way of Learning Nanotech and Nanobiotechnology

S. Ali Barzanian, Stanford University, USA

10:45-11:30

Title : Emerging Interconnect Technologies For Nanoelectronics

Krishana C. Saraswat, Stanford University, USA

Networking & Refreshment Break 11:30-11:50@Foyer

11:50-12:25

Title: Study and prioritization of global supply chain integration influencing variables using fuzzy AHP and fuzzy TOPSIS

Tonggang Jiu , Qingdao Institute of Bioenergy and Bioprocess Technology, China

12:25-13:00

Title: Inorganic polymer from alkali activated natural kaolin with cement kiln dust (CKD) - strength and freeze-thaw durability

Fathi Shaqour, University of Jordan, Jordan

Lunch Break 13:00-14:00 @Foyer

14:00-14:35

Title: Graphdiyne-based electrochemical interface for high-performance lithium batteries

Zicheng Zuo , Institute of Chemistry, Chinese Academy of Sciences, China

14:35-15:00

Title: Designing and Fabrication of efficient nano-materials for thermoelectric generator

Wiqar Hussain Shah, International Islamic University, Pakistan

Networking & Refreshment Break 15:00-15:20@Foyer

Panel Discussion @15:20-15:30

Day Ends

Closing Ceremony