# 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 Trader Restaurant**

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: Graphdiyne-Tuned Interfacial Properties for Highly-Efficient Perovskite Solar Cells**

**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 Trader Restaurant**

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**