



Jordan Nano-Symposium 2021

16-18/03/2021



Tuesday 16/03/2021		Wednesday 17/03/2021	
17:00-17:10 Introduction and Welcome		17:00-17:05 Welcome	
Nano-Materials		Nano-Medicine	
Chairpersons: Dr Rund Abu-Zurayk Prof Imad Hamadneh		Chairpersons: Prof Alaaldin Al Kilany Dr Walhan Alshaer	
17:10-20:05 Nano-Material Speakers		17:05-20:20 Nano-Medicine Speakers	
17:10-17:25 Prof Sami Mahmood- Physics Department-The Magnetic Nanoparticles: Synthesis and University of Jordan, Department of Physics and Characterization Astronomy, Michigan State University	17:25-17:40 Dr Kyle E. Cordova, Royal Scientific Society Reticular Nanomaterials Discovery as a Tool for Innovation	17:05-17:20 Dr Alaa A Aljabali, Department of Pharmaceutics and Pharmaceutical Technology - Faculty of Pharmacy- Yarmouk University "Innovative applications of naturally occurring nanomaterials"	17:20-17:35 Prof Samer Abulateefeh, Department of Pharmaceutics and Pharmaceutical Technology - The School of Pharmacy - The University Of Jordan Aqueous Core-Polymer Shell Nano/Microcapsules with Tunable Internal Architectures as Controlled Release Depots
17:40-17:55 Prof Imad Hamadneh, Chemistry Department, Hamdi Mango Center for Scientific Research – The University of Jordan Green synthesis of metal oxide nanoparticles using the plant extracts: merits and constraints	17:55-18:10 Dr Ahmad Telfah, Leibniz-Institut für Analytische Wissenschaften (ISAS)- Hamdi Mango Center for Scientific Research – The University of Jordan High Resolution NMR to Investigate Tethering AgNPs/AuNPs Nanoparticles with Fluorine-Based Molecules for Innovative Applications	17:35-17:50 Prof Bashir Jarrar, Biology Department- Jerash University Nanotoxicity Research Horizons	17:50-18:05 Dr Fadwa Odeh, Chemistry Department- The School of Science - The University Of Jordan Drug Delivery Systems (DDS) at the University of Jordan
18:10-18:25 Dr Hammad Younes, Mechanical Engineering Department- Khalifa University of Science and Technology The application of carbon nanomaterials in Capacitive Deionization and Electromagnetic Wave Absorption	18:25-18:35 Break	18:05-18:15 Break	18:15-18:30 Prof Alaaldin Al Kilany, Department of Pharmaceutics and Pharmaceutical Technology -The School of Pharmacy - The University Of Jordan Golden Nanotechnology: The world of Wonder and the Emerging Opportunities
18:35-18:50 Dr Rund Abu-Zurayk, Nanotechnology Center, Hamdi Mango Center for Scientific Research – The University of Jordan Polymer Nanocomposites: Processing, structure and properties correlations for different applications	18:50-19:05 Dr Ahmad S Masadeh, Physics Department - The University Of Jordan New methodology for nanostructure determination using total scattering atomic pair distribution function method based on X-ray synchrotron data.	18:30-18:45 Dr Mohammad Obeid Ayasrah, Department of Pharmaceutics and Pharmaceutical Technology - Faculty of Pharmacy- Yarmouk University Formulation of non-ionic surfactant vesicles (NISV) prepared by microfluidics for therapeutic delivery of siRNA into cancer cells	18:45-19:00 Prof Omar Atrooz, Department of Biological Sciences, Mutah University Nanoliposomes as Drug Delivery Systems
19:05-19:20 Dr Rabab Allouzi, Civil Engineering-The University Of Jordan Nanomaterials in Structural Engineering	19:20-19:35 Dr Mike Kh Haddad, Faculty of Engineering- Al Isra University Bulk nanocrystalline materials produced by severe plastic deformation	19:00-19:15 Dr Sharif Abdelghany, The School of Pharmacy - The University Of Jordan Tobramycin entrapped hydrogel based nanoparticles for the treatment of cystic fibrosis	19:15-19:30 Dr Walhan Alshaer, Cell Therapy Center- The University Of Jordan Ligand –Guided Nanomedicines: No More Blind Trojans
19:35-19:50 Dr Ayat Bozeya, Institute of Nanotechnology- Jordan University of Science and Technology The Intersection of Chemistry with Nanotechnology	19:50-20:05 Dr Banan Hudaib, Chemical Engineering- Al Balqa' Applied University Fabrication of a Nanocomposite Ultrafiltration Membranes for Water treatment	19:30-19:40 Dr Hamdi Nsairat, Faculty of Pharmacy- Al-Ahliyya Amman University Remote loading hydrophobic drug into liposomes using a transmembrane pH gradient	19:40-19:50 Dr Abdolelah Jaradat, Faculty of Pharmacy- Al Isra University Synthesis of heparin conjugated nanoparticles to target cell surface P-selectin of endothelial cells to Inhibit metastasis
		19:50-20:00 Dr Zeinab Arabeyyat, School of Basic and Marine Sciences- The University Of Jordan (Aqaba) Early-warning biomarkers to assess the exposure to nanoparticles	20:00-20:10 Dr Ali Mahmoud Al-Samydai, Faculty of Pharmacy- Al-Ahliyya Amman University Preparation, and characterization of Capsaicin loaded nano-liposomes
		20:10-20:20 Nusaibah Al Qtaish, PhD Candidate, NanoBioCel group, University of Basque, Spain Colloidal dispersion of niosphingosome vesicles as an efficient non-viral vector for gene delivery retina and brain	
Thursday 18/03/2021			
17:00-17:05 Welcome			
Nano-Energy			
Chairperson: Prof Mahmoud Al Hussein			
17:00-18:20 Nano-Energy Speakers			
17:00-17:15 Prof Mohammad A. Hamdan, Mechanical Engineering - The University Of Jordan Applications of nanotechnology in Mechanical engineering	17:15-17:30 Prof Mahmoud Al Hussein, Physics department- Hamdi Mango Center for Scientific Research - The University Of Jordan Nanostructured Organic Thin Films for Energy Applications		
17:30-17:45 Dr Yahia F. Makableh, Institute of Nanotechnology- Jordan University of Science and Technology Recent research advances in the field of Nano solar cells, and Nano bio sensors	17:45-18:00 Dr Mohammad R. Thalji, University Malaysia Pahang Fast Al ³⁺ Ion Diffusion in W18O49 Nanowires- Graphene Nanocomposite: Towards High-Performance Energy Storage device		
18:00-18:20 Otabeh Al-Oran, PhD Candidate, Budapest University of Technology and Economics- Hungary Hybrid nanofluid mixing ratios effect on the performance of the parabolic trough collector	18:20-18:30 Break		
18:30-19:00 Round Table			

Organizing Committee

Chair

Dr Rund Abu-Zurayk

Members

Dr Walhan AlShaer

Prof Mahmoud Al Hussein

Aya Khalaf

Prof Alaaldin Alkilany

Prof Imad Hamadneh

Bayan Abu Al Ragheb