



Scientific Program

35th International Conference on

Nanomaterials and Nanotechnology

&

20th International Conference and Exhibition on

Materials Science and Chemistry

March 21, 2022 | Webinar

March 21, 2022

Sessions will be hosted in GMT+1 (UK Timings)

Opening Ceremony



09:15-09:30 Introduction

Sessions: Nanoparticles | Nano Electronic Devices | Advanced Nanomaterial's | Nanotechnology Applications | Nanomaterials Safety and Regulations | Nanoscale Materials | Applications of Nanomaterials | Nanotech Products | Nano Devices and Systems | Nano Medical Devices | Biomedical Nanomaterial's

- 09:30-10:00** **Title:** Magnetically-actuated nanoparticles: A novel method to unravel the molecular mechanisms evoked by mechanical tension
Alessandro Falconieri, University of Pisa, Italy
- 10:00-10:30** **Title:** Thermomechanical and thermoresponsive reactions in reversibility of shape memory alloys
Osman Adiguzel, Firat University, Turkey
- 10:30-11:00** **Title:** Synthesis and characterization of copper indium sulfide nanoparticles for counter electrode of flexible dye sensitized solar cells
Hina Pervaiz, National University of Sciences and Technology, Pakistan
- 11:00-11:30** **Title:** Fabrication of multifunctional cotton by the deposition of zinc oxide nanoparticles
Muhammad Tayyab Noman, Technical University of Liberec, Czech Republic
- 11:30-12:00** **Title:** Using an FDA approved nutrition supplement, intralipid, to improve delivery of anti-cancer nanodrugs: Effects on RES clearance and toxicity, EPR and immune modulation
Li Liu, National Institutes of Health, UK
- 12:00-12:30** **Title :** Applications of quality by design approach in nanotechnology
Mohamed Abbas Ibrahim, King Saud University, Saudi Arabia

Lunch Break 12:30-13:00

Sessions: Smart Material Science | Chemical Engineering | Industrial applications of crystallization | Tissue Engineering | Nano pharmaceuticals | Polymer Science and Applications | Ceramics in Materials Science | Nanotechnology Applications | Materials Science and Engineering | Organic Materials Chemistry

- 13:00-13:30** **Title:** Electrochemical performance of hybrid electrodes based on graphene and CNW for fuel cells and supercapacitors applications
Loredana Preda, Institute of Physical Chemistry "IlieMurgulescu" of Romanian Academy, Romania
- 13:30-14:00** **Title:** Energy exchange particle X , between materials
Amr Fawzy, Amrbooks Inc Innovator B.A., Egypt



14:00-14:30

Title: Polymer-ceramic composites modified with bovine collagen for bone tissue regeneration
Bożena Tylińczak, Cracow University of Technology, Poland



14:30-15:00

Title: Ceramic-polymer composites and its evaluation as a drug carrier for controlled release of clindamycin
Agnieszka Sobczak-Kupiec, Cracow University of Technology, Poland

15:00-15:30

Title: Characterization of polymer-ceramic composites modified by Salvia officinalis extract
Karina Pięta, Cracow University of Technology, Poland

15:30-16:00

Title: Physicochemical analysis and tribological properties of composite coatings for bone regeneration
Dagmara Słota, Cracow University of Technology, Poland

Awards & Closing Ceremony

