

International Conference and Exhibition on

Nanotechnology & Materials Science

November 20-22, 2017 Dubai, UAE

<http://excelyticspublishers.com/conferences/nanotechnology-materials-science-2017/>

Keynote Forum

- KF 01** **Yashwant Pathak from University of South Florida, USA**
Formulation considerations in ophthalmic drug delivery systems using polymeric biomaterials
- KF 02** **Orlando Auciello from University of Texas at Dallas, USA**
Science and technology of multifunctional oxide and ultrananocrystalline diamond (UNCD) films and applications to a new generation of multifunctional industrial, high-tech and medical devices
- KF 03** **Zhou Li from Beijing Institute of Nanoenergy and Nanosystems, Chinese Academy of Sciences, China**
ITENG in self-powered implantable medical electronic devices
- KF 04** **Gerhard Klimeck from Purdue University, USA**
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Session 1

Materials Science: Fundamentals & Characterization; Materials Science & Engineering; Ceramic and Glass Materials; Magnetic, Electronic & Optical Materials; Advances in Materials Science

- P 01** **Kuan-Wei Lee from I-Shou University, Taiwan**
Solution-processed TiO₂ on metal-oxide-semiconductor devices
- P 02** **Arup Ghosh from Indian Institute of Science Education and Research, India**
Magnetocaloric effect, exchange bias and magnetoresistance in Fe doped MnNiSn
- P 03** **Zhiming SHI from Inner Mongolia University of Technology, China**
High-quality ceramics synthesized using desert drift-sands
- P 04** TAB
- P 05** TAB
- P 06** TAB
- P 07** TAB
- P 08** TAB

Session 2

Nano-biotechnology; Tissue Nanoengineering; Nanomedicine and Biomedical Engineering; Nanomedical Approaches for Cancer Diagnosis; Nanotechnology for Energy and the Environment

- P 01** **Zhiming SHI from Inner Mongolia University of Technology, China**
Transformation, microstructure and photocatalytic performance of one-step synthesized titania nanotubes
- P 02** **Omer Salih Mohamed Nour from Linköping University, Sweden**
Zinc oxide nanostructures and its composites energy and environment remediation applications
- P 03** **Rania Mustafa from Donghua University, China**

- P 04 Synthesis of diatrizoic acid-modified laponite nanodisks for CT imaging applications
Sabelo Dalton Mhlanga from University of South Africa, South Africa
- P 05 Electrospun antibacterial beta-cyclodextrin nanofibrous materials for use in water purification
Pranveer Singh from Mahatma Gandhi Central University, India
- P 06 SPR mediated study of GPCRs: Key to the discovery of pharmaceutical drugs
Imran Ali from Jamia Millia Islamia University, India
- P 07 Nano anti-cancer drugs: Need of future
Behnoud Hormozi from Islamic Azad University, Iran
- P 08 Study of advanced nano particles effect on cancer treatment
Zia-ur- Rehman from Quaid-i-Azam University, Pakistan
- P 09 Co-catalysts triggered photocatalytic H₂ production from formic acid on CdS nanorods
Giovani Marino Favero from State University of Ponta Grossa, Brazil
- P 10 Nanoliposomes of phosphatidylserine and their effects on experimental cancer
- P 11

Session 3

Nanodevices; Nanoelectronics; 2D materials; Nanophotonics and Optics; Microtechnology

- P 01 **Gerhard Klimeck from Purdue University, USA**
The single-atom transistor: How it was created and what it may mean for the future
- P 02 **Saeed Moghaddam from University of South Florida, USA**
2D Material laminates for ultra-fast and selective molecular-scale separation
- P 03 **Arvydas Tamulis of Independent Expert of European Commission**
Neurotransmitter acetylcholine molecular complexes for quantum information processing
- P 04 **Trilok Kumar Pathak from University of the Free State, South Africa**
Upconversion emission tuning from red to white in Eu³⁺/Yb³⁺-codoped NaYF₄ phosphor
- P 05 **Divya Jyoti from Punjab University College, India**
The opulence of meso-nano combo in dye- sensitized solar cells
- P 06 **Arvydas Tamulis of Independent Expert of European Commission**
Quantum entanglement communications in photoactive synthetic bio-systems and in neural networks
- P 07
- P 08
- P 09
- P 10
- P 11

Session 4

Nanomaterials and Nanostructures; Nanofabrication; Nanocharacterization techniques; Nanotechnology; Applications of Nanotechnology; Risks and Ethical Issues of Nanotechnology

- P 01 **Mohamed A Barakat from King Abdulaziz University, Saudi Arabia**
Synthesis of Cr₂O₃/C₃N₄ nanocomposite for enhancement of visible light photocatalysis and anaerobic digestion of wastewater sludge

- P 02** **Nataliya Shwartz from A.V. RzhanoV Institute of Semiconductor Physics, Russia**
AIIIIV nanostructures formation by droplet epitaxy –Monte Carlo simulation
- P 03** **Vishwanath D Mote from Dayanand Science College, India**
Structural, morphological, physical and dielectric properties of Mn doped ZnO nano-particles synthesized by Sol-Gel technique
- P 04** **S. Thirumaran from Annamalai University, India**
Synthesis of copper sulfide and copper-iron sulfide nanoparticles from copper(II) dithiocarbamate complexes and their utility for photocatalytic degradation of dyes
- P 05** **M. M. Rahman from Sultan Qaboos University, Oman**
Evolution and heat transfer characteristics of nanofluids
- P 06** **B M Nagabhushana from M S Ramaiah Institute of Technology, India**
Nano-structured materials: Low temperature synthesis, characterization and applications
- P 07** **Nipin Kohli from Guru Nanak Dev University, India**
Highly sensitive nanostructured chromium oxide sensor for analysis of diabetic patient's breath
- P 08** **Yemane Gebremariam from Mekelle University, Ethiopia**
Unsteady MHD flow and heat transfer of calcium carbonate water nanofluid
- P 09** **Patrick D Nsimama from Dar Es Salaam Institute of Technology, Tanzania**
Solid-state dewetting of molybdenum nanofilms supported on TiO₂ substrates
- P 10** **Farhat Yasmeen from PMAS Arid Agriculture University, Pakistan**
Differential effects of copper and iron nanoparticles on wheat shoot proteomics
- P 11** **Nabeel S. Dhaidan from University of Kerbala, Iraq**
Effect of nanoparticle dispersion on the melting of PCM in semi-spherical cell
- P 12** **Ananda Kumar Eriki from VEMU Institute of Technology (JNTUA), India**
Heat transfer enhancement of vehicle radiator using nanofluid
- P 13** **P Baonhe Sob from Vaal University of Technology, South Africa**
Fracture Toughness and Toughening Mechanism in Nanocrystalline materials Size Variants Produced by Accumulative Roll-Bonding (ARB)”
- P 14** TBA
- P 15** TBA

Posters session

- Poster No 1** **Li Li from USA**
no title
- Poster No 2** **Nataliya Shwartz from A.V. RzhanoV Institute of Semiconductor Physics, Russia**
Examination of langmuir evaporation of AIIIIV semiconductors by simulation
- Poster No 3** **Waseem Mansour from King Fahd University of Petroleum and Minerals(KFUPM), KSA**
Catalytic activity in olefin hydrosilylation reactions by novel catalysts which consist of [Mn^{III}(TPyP)]⁺ complex ions intercalated inside matrices of nano (Montmorillonite SiO₂, Al₂O₃ matrices) particles
- Poster No 4** **Vishal Vijay Pande from Sanjivani College of Pharmaceutical Education and Research, India**
Design and development of mesoporous silica template as a platform for surge dose drug delivery system
- Poster No 5** **Ntevhe Thovhogi from University of South Africa, South Africa**
Antibacterial activity of biosynthesized metal oxides nanoparticles synthesized via hibiscus sabdariffa flower extract
- Poster No 6** **Vipulkumar Prahladbhai Patel from Sanjivani College of Pharmaceutical Education and Research, India**
Biosynthesis and development of novel method for commercial production of biosurfactant from B.subtilis

- Poster No 7 Aneta Kovarova from University of Pardubice, Czech Republic**
Quantum dots-modified silica nanoparticles as the key detection component of sandwich type electrochemical immunosensors for quantification of ovarian cancer biomarkers
- Poster No 8 Kasparova Jitka from University of Pardubice, Czech Republic**
Fluorescently and electrochemically active probes based on coupling of quantum dots with polymeric nanostructures (dendrimers/hyaluronic acid)
- Poster No 9 Chaitali Dey from University of Calcutta, India**
Advancement of anticancer drug delivery by hyperthermia technique using pH and temperature sensitive magnetic cobalt ferrite nanoparticle
- Poster No 10 Aysha Shaheen from National Institute for Biotechnology and Genetic Engineering, Pakistan**
Chloramphenicol biomimetic molecularly imprinted beads for selective detection in electrochemical sensor
- Poster No 11 Zhaoyu Ren from Northwest University, China**
All-optical intensity modulator by polarization-dependent graphene covered microfiber
- Poster No 12 Hui Wang from Northwest University, China**
Monodispersed iron compound (Fe_2O_3 , FeS and FeSe_2) nanoparticles@carbon hybrid nanofibers as high capacity and cycle stable anodes for sodium storage
- Poster No 13 TBA**
- Poster No 14 TBA**
- Poster No 15 TBA**

