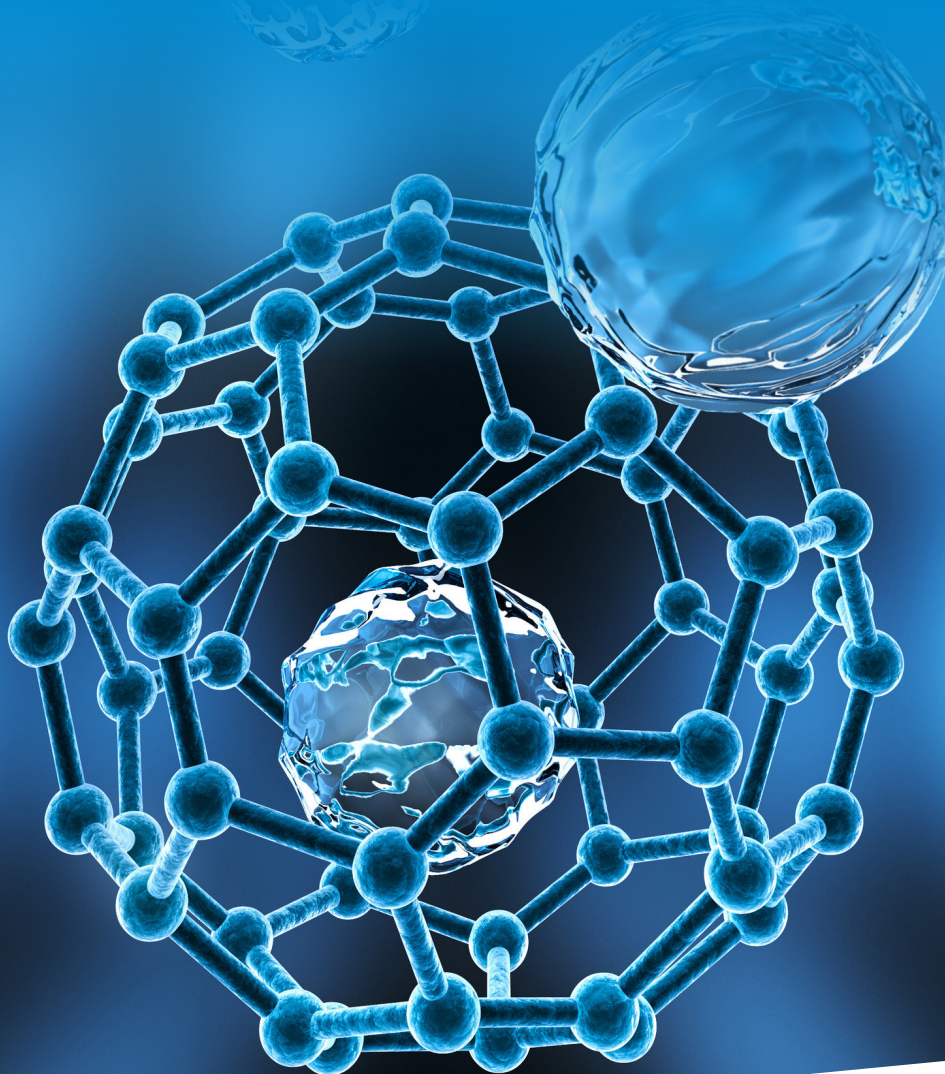


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# Scientific Program



Nano Mat 2020

**Day 01, February 12, 2020**

**09:30-09:50 Registrations**

**Meeting Hall @ Andromede**

**09:50-10:00 Opening Ceremony**

**Keynote Forum**

- 10:00-10:45** **Title: Eco- friendly development of graphene and its application in coating industry**  
**Anand Sawroop Khanna**, IIT Bombay, India
- 10:45-11:30** **Title: In vitro fertilization on a chip**  
**Da-Jeng Yao**, National Tsing Hua University, Taiwan

**Group Photo, Networking & Refreshment Break 11:30-11:45**

**Nanoparticle Technology | Materials Science and Engineering | Nanoelectronics | Pharmaceutical Nanotechnology | Nano Computational Modelling | Material Processing and Manufacturing | Nanotheronostics**

- 11:45-12:15** **Title: Smart solutions for oil and gas industry challenges**  
**Majid S.Al-Ruqeishi**, Sultan Qaboos University, Oman
- 12:15-12:45** **Title: Nanoscale iridium and tin oxide on titanium surface as electrocatalyst in oxygen evolution reaction during water electrolysis in acidic medium**  
**M.V. Kaneva**, Saint Petersburg State University, Russia
- 12:45-13:15** **Title: Mechanical properties of nanofiber mats determined by a modified digital "Speckle" photography technique**  
**Fu-pen Chiang**, Stony Brook University, USA

**Lunch Break 13:15-14:15 @ Restuarant**

- 14.15-14:45** **Title: Highly efficient visible light active sulphur doped zinc oxide and its composite with graphene oxide for degradation of toxic pollutants.**  
**Humaira Khan**, University of Managemnet and Technology, Pakistan
- 14:45-15:15** **Title: Pro-inflammatory responses to airborne ultrafine nanoparticles from airport and urban traffic emissions**  
**Constantinos Sioutas**, University of Southern California, USA
- 15:15-15:45** **Title: Dense plasma focus-based nanofabrication of III-V semiconductors: unique features and recent advances**  
**Savitha Roy**, University of Delhi, India

**15:45-16:15**      **Title: Evaluational of the effect of physically magnetized water on some properties of dental stone**

**Ahmed I. Jasim Al-Khyeat**, University of Mosul, Iraq

**Networking & Refreshment Break 16:15-16:30 @ Foyer**

**Video Presentation**

**16:30-17:00**      **Title: Assessment of dibenzyl disulfide and other oxidation inhibitors in transformer mineral oils**

**N. A. Mehanna**, King Fahd University of Petroleum & Minerals, Saudi Arabia

**Poster Presentation 17:00-18:00**

**NM01**      **Title: Enhancement of photocatalytic activity of  $\beta$ -cyclodextrine-modified ZnO nanoparticles coated cotton using sol-gel technique**

**Asmaa Saleh**, King Khalid University, Saudi Arabia

**NM02**      **Title: A numerical study on ionic liquids - water mixture based ionanofluid enhanced with alumina nanoparticles**

**Elena Ionela Chereches**, Technical University Gheorghe Asachi of Iasi, Romania

**NM03**      **Title: Carbon dots from citric acid and its intermediates formed by thermal decomposition**

**Robert Ludmerczki**, Laboratory of Materials Science and Nanotechnology, Italy

**NM04**      **Title: Effect of nanoprimer for enhancing germination and seedling growth of *dorema aucheri***

**Elham Abedi**, Islamic Azad University, Iran

**NM05**      **Title: Switching with semiconductor nanowires**

**Jasulaneca**, University of Latvia, Latvia

**Awards and closing ceremony**

**Panel Discussion**

**End of the Day 01**

**Day 02 | February 13, 2020**

**Networking, Lunch & B2B meetings 12:30-13:30 @ Restuarant**

**End of The Day 02**