

**International Conference on**

# **Advanced Nanotechnology & Nanomaterials**

**November 20-21, 2019 | Dubai, UAE**



**Contact Us:**

+1-718-543-9362

[contact@coalesceresearchgroup.com](mailto:contact@coalesceresearchgroup.com)

**Coalesce Research Group**

33 Market Point Dr,  
Greenville, SC 29607, USA

# Scientific Program

## International Conference on Advanced Nanotechnology and Nanomaterials

**Wednesday**  
**NOV 20, 2019**

### Hall: Meeting Hall 1

09:30 - 09:45 Registrations

09:45 - 10:00 Introduction

#### Keynote Forum

10:00 - 10:30 Title: Design, optimization and implementation of breath ethanol conductometric sensor into an integrated in - vehicle driver system  
**Giovanni Neri**, University of Messina, Italy

10:30 - 11:00 Title: Semiconductor nanostructures: Physics, technology and applications  
**A L Aseev**, Novosibirsk State University, Russia

#### Networking & Refreshments (11:00 - 11:45)

11:45 - 12:15 Title: Photonic crystal circular defect (CirD) laser for Intra - chip optical interconnections  
**Masahiko Kondow**, Osaka University, Japan

#### Plenary Sessions

##### Sessions:

“Nanomaterials Synthesis and Characterization, Materials science and Materials chemistry, Applications of Nanotechnology, Nanophotonics, Nanocomposites”

Session Chair: **Massimo Gurioli**, University of Florence, Italy

Session Co-Chair: **Prashant Jindal**, Panjab University, India

12:15 - 12:45 Title: Transmission of the light in nano - composites  
**Dondi dall'Orologio Giovanni**, University of Bologna, Italy

12:45 - 13:15 Title: Polymer – Carbon nanostructures composites: Synthesis, processing and conduction mechanism  
**Arnaud Magrez**, Crystal Growth Facility, Ecole Polytechnique Fédérale de Lausanne, Switzerland

#### Group Photo (13:15 - 13:25)

#### Lunch (13:25 - 14:30)

14:30 - 15:00 Title: Functional nanomaterials for targeted cancer therapy  
**Mohyeddin Assali**, An Najah National University, Nablus, Palestine

15:00 - 15:30 Title: Skillful design of new bifunctional nano - catalyst with intra - particle voids  
**Chunfeng Shi**, SINOPEC, China

15:30 - 16:00 Title: Diseases diagnosis through exhaled breath analysis with an array of ultrapure monolayer - capped metal nanoparticles  
**Radu Ionescu**, Uppsala University, Sweden

16:00 - 16:30 Title: Identifying patterns in time series data: Application to biological peptide translocation through single - layer MoS<sub>2</sub> nanopores  
**Adrien Nicolai**, University of Burgundy, France

# Scientific Program

## International Conference on Advanced Nanotechnology and Nanomaterials

**Wednesday**  
**NOV 20, 2019**

### Hall: Meeting Hall 1

#### Networking & Refreshments (16:30 - 16:45)

16:45 - 17:05 Title: Preparation of  $\gamma$  - Fe<sub>2</sub>O<sub>3</sub>@Carbon hybrid nanostructure and its application for fast and selective recovery of gold ions from aqueous solution  
**Poernomo Gunawan**, Nanyang Technological University, Singapore

17:05 - 17:25 Title: Synthesis of antimicrobial nanocomposite based on impregnated bimetallic Copper - Nickel nanoparticles on activated carbon for water disinfection  
**Haider Butt**, Khalifa University of Science and Technology, UAE

#### Poster Presentations (17:25 - 18:00)

Poster - 1 Title: Recent topic of thin film Magneto - Impedance sensor with subjecting to normal magnetic field  
**Tomoo Nakai**, Industrial Technology Institute, Miyagi Prefectural Government, Japan

Poster - 2 Title: Improved barrier polymeric films by incorporating large lateral sized - graphene oxide  
**Hyoungh - Joon Jin**, Inha University, South Korea

End of Day 1

# Scientific Program

## International Conference on Advanced Nanotechnology and Nanomaterials

**Thursday**  
**NOV 21, 2019**

### Hall: Meeting Hall 1

#### Keynote Forum

- 10:00 - 10:30 Title: Optics at the nanoscale for nanophotonics and quantum emitters  
**Massimo Gurioli**, University of Florence, Italy
- 10:30 - 11:00 Title: Synthesis of nanoemulsion quercitrin isolated from dendrophoe falcata and its antioxidant activity test  
**Yarjan Abdul Samad**, University of Cambridge, UK

#### Networking & Refreshments (11:00 - 11:20)

#### Plenary Sessions

##### Sessions:

Nanochemistry and Nanomedicine, Nanoscience and Technology, Graphene & 2D Materials and its Applications, Nanoparticles, Nanostructures and nanomaterials

Session Chair: **Dondi dall'Orologio Giovanni**, University of Bologna, Italy

Session Co-Chair: **Masahiko Kondow**, Osaka University, Japan

- 11:20 - 11:50 Title: Polymer solar cells with graphene and germanium quantum dots - based nanomaterials in the photoactive layer  
**Shijo Nagao**, Osaka University, Japan
- 11:50 - 12:20 Title: Effects of variable temperature conditions and loading frequency on mechanical properties of MWCNT/PC composites  
**Prashant Jindal**, Panjab University, India

#### Scientific Sessions

- 12:20 - 12:40 Title: Nanostructured functional materials for energy storage and conversion  
**Ting Zhu**, Central South University, China
- 12:40 - 13:00 Title: Nanoflows in Chromatography Columns Molecular Dynamics Study  
**Adrian Kordos**, Rzeszow University of Technology, Poland

#### Lunch (13:00 - 14:20)

- 14:20 - 14:40 Title: Optical and structural - chemistry of SnS nanocrystals as promising materials in solar cell applications  
**Johannes Z Mbese**, University of Fort Hare, South Africa
- 14:40 - 15:00 Title: Study of FET - based Nanobiosensors  
**Anil Shantappa**, VG Women's Degree college and PG Centre, India
- 15:00 - 15:20 Title: Radiation methods for nano solid state technology  
**N N Gerasimenko**, National Research University of Electronic Technology, Russia
- 15:20 - 15:40 Title: Potential effect of grafting of gallic acid onto chitosan nano particles on alleviating ochratoxin A toxicity: Biochemical variables, DNA fragmentation and oxidative stress markers of African catfish, *clarias gariepinus*  
**Heba S Hamed**, Ain Shams University, Egypt
- 15:40 - 16:00 Title: Design, synthesis and characterisation of an azulene based nanocars on gold  
**Aiboudi Oumaima**, Dresden University of Technology, Germany



# Scientific Program

## International Conference on Advanced Nanotechnology and Nanomaterials

**Thursday**  
**NOV 21, 2019**

Hall: Meeting Hall 1

Networking & Refreshments (16:00 - 16:20)

16:20 - 16:40 Title: On the bimodal particle size distribution recovery by multi - angle dynamic light scattering  
**Jin Shen**, Shandong University of Technology, China

Panel Discussion - Awards & Closing Ceremony (16:40 - 17:00)

End of Day 2