

International Conference on

POLYMERIZATION CATALYSIS, FLEXIBLE POLYMER  
AND NANOTECHNOLOGY

SEPTEMBER 06-07, 2018 DUBAI, UAE



POLYMER NANOTECHNOLOGY 2018

Conference Series llc Ltd

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08:30-09:00

Registration Open

## Gold

09:00-9:30

Opening Ceremony

Introduction

09:30-10:15

## Keynote Presentation

**Title: Phase transformations and dual thermoelastic and superelastic characterization of shape memory alloys**  
**Osman Adiguzel**, Firat University, Turkey



10:15-11:00

## Keynote Presentation

**Title: Effects of UV-IRradiation and plasticization on stability of substituted polystyrene in solid films**  
**Khalid E Al Ani**, Jadara University, Jordan



11:00-11:20

Networking and Refreshments Break with Group Photo

11:20-12:05

## Keynote Presentation

**Title: Thermal and mechanical characteristics of polypropylene/nanoclay nanocomposites**  
**Saud Aldajah**, Abu Dhabi Polytechnic Institute of Technology, UAE



Sessions: Nano Biotechnology and Nano Medicine | Polymerization in Flexible Plastics | Macro Polymer and Functional Polymer | Metallocene Catalysts | Polymer in Ceramics | Polymers for Catalysis and Energy Devices | Polymer Composites

Session Chair: **Khalid E. Al Ani**, Jadara University, Jordan

Session Co Chair: **Shashikant R Kuchekar** Womens College of Home Science and BCA, India

12:05-12:25

**Title: Superhydrophobic/hydrophobic coatings with fluorinated and non-fluorinated diatomaceous earth particles**

**Helanka Perera**, Abu Dhabi Women's College, UAE

12:25-12:50

**Title: A comparative study on the growth of  $V_2O_5$  thin films at various substrate temperatures**

**K V Madhuri**, VIGNAN'S Foundation for Science, Technology & Research, India

12:50-13:10

**Title: Extractive spectrophotometric determination of Osmium (VIII) using p-methylphenylthiourea as a Chromogenic reagent: Sequential Separation of Palladium, Osmium and Platinum**

Lunch Break 13:10-13:50 @ Restaurant

13:50-14:10

**Title: Electronic structure and formation energy of  $TiC_xH_{2-x}$ alloys: DFT study**

**Said Al Azar**, Middle East Technical University in Amman, Jordan

14:10-14:30

**Title: Biogenic nanosynthesis of anisomeles malabarica leaves(AgNps) and cytotoxic effect on HepG<sub>2</sub> cell lines**

M Suriyavathana, Periyar University, India

14:30-14:50

**Title: Novel supported TiO<sub>2</sub> nanocomposites: An efficient photocatalyst for water cleaning technology**

Dileep Tube, Savitribai Phule Pune University, India

14:50-15:10

**Title: Title: Hyperbranched triphenylamine Schiff base preparation and complexation**

Ideisan Abu Abdoun, University of Sharjah, UAE

15:10-15:30

**Title: Separation of tin (II) from environmental samples using O-methylphenyl thiourea as a novel reagent**

Shashikanth Kuchekar, Women Science College of Technology, India

Networking and Refreshments Break 15:30-15:50

15:50-16:10

**Title: Green synthesis and structural elucidation of Pisonia alba leaves by AgNps**

Kavitha Rani, Periyar University, India

16:10-16:30

**Title: Novel magnetically chitosan based N-heterocyclic carbene as recyclable nanocatalyst and highly efficient for cross-coupling reaction**

Pourya Zarshenas, Shahid Beheshti University, Iran

Video Presentation

16:30-16:50

**Title: Radiation assisted polymerization methodology: Its significance and applications**

Asma Khurshid, Pakistan Institute of Engineering & Applied Sciences, Pakistan

16:50-17:10

**Title: Synthesis and studies of Carbazole-pyridine copolymers for optoelectronic applications**

Madiha Irfan, Quaid-i-Azam University, Islamabad, Pakistan

Panel Discussion

Friday 07<sup>th</sup> September 2018

Day 2

Gold

10:00-10:45

Keynote Presentation

**Title: Thin film chromogenic devices**

K V Madhuri, VFSTR, India



Networking and Refreshments Break 10:45-11:05

11:05-11:50

Keynote Presentation

**Title: Current trends and challenges of fabrication techniques, sensing modes and applications of nanomaterials-based biosensors**

Ali Abu Odeh, Khawarizmi International College, UAE



11:50-12:10

**Sessions: Polymerization in Pharmaceutical Industry Advanced Nanomaterials | Nano Sensors and Nanoscale Electronics | Nanopolymer, Nanotubes and Nanoporous Material | Quantum Dots and Nano-Magnetism | Polymer Nanotechnology (Thin Film Flexible Electronics, Energy Application)**

Session Chair: **Osman Adiguzel, Firat University, Turkey**

Session Co Chair: **Said al Azar, Middle east technical University, Jordan**

**Title: Advanced epoxy resins for making structural composites**

MH Behesety, IPPC, Iran

13:10-13:30

**Title: Irradiation and plasticization effect on stability of poly (4 – ethoxystyrene) in solid film and in solution**

Khalid E Al Ani, Jadara University, Jordan

13:30-13:50

**Title: Effect of oxygen partial pressure on electrochromic properties of WO<sub>3</sub> thin films**

K V Madhuri, VFSTR, India

13:50-14:10

**Title: Graphene applications for nano-photonics**

Montasir Qasimeh, Abu Dhabi University, UAE

### Symposium

14:10-15:00

**Title: New horizon of nanotechnology in phytomedicine**

M Suriyavathana, Periyar University, India

### Speakers

15:00-15:20

**Title: Catalyst for betterment of humans**

Muteeb Siddiqui, Hamdard University, Pakistan

15:20-15:40

**Title: Polymer nanotechnology**

Ahmed Tabish, Khalifa University, UAE

Networking and Refreshments Break 15:40-16:00

### Young Researcher Forum

16:00-16:20

**Title: Engagement strategy to transform nanotechnology based products from theories to the factory**

Ahmed Abushomi, University of Oxford, UK

Poster Presentations 16:20-16:50

PC-01

**Title: Synthesis of bionanocomposites of chitosan for different biomedical application**

Ebtesam Mohammed Al-Shanqiti, King Abdulaziz University, Saudi Arabia

PC-02

**Title: Superhydrophobic/hydrophobic coatings with fluorinated and non-fluorinated diatomaceous earth particles**

Helanka Perera, Abu Dhabi Women's College, UAE

