NANOTECHNOLOGY CONGRESS

21st World

October 15-17, 2018   Dubai, UAE
09:30-10:00  Registration Opens

10:00-10:30  Opening Ceremony

10:30-11:30  Keynote Presentation
   Title: Innovation in oil: A smart green solution to enhance oil recovery
   Omar Chaalal, Abu Dhabi University, UAE

11:30-11:45  Networking and Refreshments Break with Group Photo

11:45-12:45  Keynote Presentation
   Title: The route to nanomaterials manufacturing incorporating nanoparticle beam deposition
   Richard E Palmer, Swansea University, UK

Lunch Break 12:45-13:45 @ Al Kamar

Sessions: Nanotechnology and Environment | Nanomedicine | Nanotechnology | Nanoscience and Technology | Molecular Nanotechnology

Session Chair: Ncholu Manyala, University of Pretoria, South Africa

13:45-14:15  Title: Engagement strategy to transform nanotechnology based product from theories to the factory floor in the Middle East
   Ahmed Abushomi, University of Oxford, UK

14:15-14:45  Title: Earth-abundant nano-catalysts for clean hydrogen fuel generation through water splitting
   Junyuan Xu, International Iberian Nanotechnology Laboratory, Portugal

14:45-15:15  Title: Nanotheranostic lipoprotein-inspired zinc oxide-bound paclitaxel for enhanced anticancer photochemotherapy
   Yaw Opoku Damoah, The University of Queensland, Australia

15:15-15:45  Title: Substrate and annealing temperature effects on GaAs PN junction solar cells
   Yahia Fayiz Makableh, Jordan University of Science and Technology, Jordan

15:45-16:15  Title: Nano materials for densifying the concrete microstructure and improving strength and durability
   Shree Laxmi Prashant, Manipal Institute of Technology, India

Networking and Refreshments Break 16:15-16:30 @ Foyer

Video Presentations

16:30-16:45  Title: Recent trends in nanofiber innovations and commercial perspective
   Muzamil Khatri, Shinshu University, Japan

16:45-17:00  Title: Corrosion protection with graphene
   Bernhard Münzing, The Sixth Element (Changzhou) Materials Technology Co, Ltd, China

Panel Discussion
### Tuesday 16th October 2018

**Conference Hall**

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<tr>
<td>10:30-11:30</td>
<td><strong>Keynote Presentation</strong>&lt;br&gt;Title: Measuring devices in nano tribology: A review&lt;br&gt;Chithirai Pon Selvan, Curtin University, UAE</td>
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<td>11:45-12:15</td>
<td><strong>Title:</strong> Transition metal–spinel nanoporous multi–layers by double beam cluster beam deposition&lt;br&gt;Emanuele Barborini, Tethis SpA , Italy</td>
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<td>12:15-12:45</td>
<td><strong>Title:</strong> Growth of graphene underlayers: A wafer-scale Bernal-stacked bilayer graphene and graphene foam by atmospheric pressure chemical vapour deposition&lt;br&gt;Ncholu Manyala, University of Pretoria, South Africa</td>
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**Session:** Recent Advances in Nanotechnology | Advance Nanomaterials | Nanotechnology and Material science | Biomaterials and Medical Devices | Computational Nanotechnology

**Session Chair:** Chithirai Pon Selvan, Curtin University, UAE

### Networking and Refreshments Break 11:30-11:45 @ Foyer

### Lunch Break 12:45-13:45 @ Al kamar

### Session: Recent Advances in Nanotechnology | Advance Nanomaterials | Nanotechnology and Material science | Biomaterials and Medical Devices | Computational Nanotechnology

**Title:** Nanostructured surfaces for on-plate processing of biological samples in MALDI mass spectrometry<br>Emanuele Barborini, Tethis SpA, Italy

### Workshop

**Title:** Therapeutic aid for cancer treatment through phytochemical study: Novel composition and its characterization<br>Reshmi S Nair, Amity University Dubai, UAE

### Networking and Refreshments Break 16:15-16:30 @ Foyer

### Panel Discussion

### Wednesday 17th October 2018

**Conference Hall**

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<tr>
<td>10:00-11:00</td>
<td><strong>Title:</strong> Advancements in civil engineering using nano technology&lt;br&gt;Shree Laxmi Prashant, Manipal Institute of Technology, India</td>
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**Workshop**

**Title:** Advancements in civil engineering using nano technology<br>Shree Laxmi Prashant, Manipal Institute of Technology, India
Title: Bioflavonoids derived from Mandarin processing wastes as bioengineered antioxidants: A nanotechnological intervention
Niharika Kaushal, Punjabi University, India

Title: Synthesis of carbon nanotubes onto Al₂O₃-spheres with Ni-nanoparticles coating
Smagulova Gaukhar, Institute of Combustion Problems, Kazakhstan

Title: A Comparison of Nano-thiacloprid and its Commercial Formulation against Green Apple Aphid (Aphis pomi) on Apple
Shifa Muneer, Sher-e-Kashmir University of Agricultural Sciences and Technology, India

Session: Nanomaterials and Nanoparticles | Nanobiotechnology and Nanotoxicology | Materials Science

Session Chair: Chithirai Pon Selvan, Curtin University, UAE

11:00-11:30
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Poster Presentations @ 12:30-13:00

P-01 Title: Advantage of combined flame for synthesis of nanomaterials
Lesbayev Bakhytzhan Tastanovich, Institute of Combustion Problems, Kazakhstan

P-02 Title: Cultivation of adipose stem cells on modified poly(L-lactide) acid
Nikola Slepickova Kasalkova, University of Chemistry and Technology Prague, Czech Republic

P-03 Title: Activated rice husk derived porous carbon with improved electrochemical performance for supercapacitor electrodes
Nikolay G Prikhodko, Institute of Combustion Problems, Kazakhstan

P-04 Title: Cytocompatibility of poly-L-lactic acid doped with graphene nanoplatelets and activated with plasma
Petr Slepicka, University of Chemistry and Technology Prague, Czech Republic

P-05 Title: Catalytic effect of nanosized catalysts in the process of hydrogenating acetylene to ethylene
Tanirbergenova Sandugash Kudaibergenovna, Institute of Combustion Problems, Kazakhstan

P-06 Title: Synthesis of graphene films in the combined flame
Danara Nurgozhina, Institute of Combustion Problems, Kazakhstan

P-07 Title: Polyamidoamine (PAMAM) dendrimer coated iron oxide nanoparticles for biomedical applications
Niranjan Sanzgiri, Ramnarain Ruia College, India

Lunch Break 13:00-14:00 @ Al kamar

Panel Discussion

Closing Ceremony