



8<sup>th</sup> World Conference and Expo on

# Nanoscience and Nanotechnology

February 17-18, 2020 | Philadelphia, USA

## Day 1 Feb 17, 2020

<b>08:30-09:30 Registrations</b>	
<b>09:30-10:00</b>	<b>Introduction &amp; Opening Ceremony</b>
	<b>Plenary Session</b>
<b>10:00-10:45</b>	<b>Title:</b> The Impact of Photonics in the Convergence of Technologies for Improving Human Welfare: Nano-, Bio-, Info- and Cognitive Technologies <b>Sukhdev Roy</b> , Dayalbagh Educational Institute, India
<b>10:45-11:25</b>	<b>Title:</b> Nanomaterials by Design for Supramolecular Device Platforms <b>Hemali P. Rathnayake</b> , University of North Carolina at Greensboro, USA
<b>11:25-11:40</b>	<b>Coffee Break</b>
<b>Chair</b>	<b>Sukhdev Roy</b> , Dayalbagh Educational Institute, India
<b>Co-Chair</b>	<b>Hemali P. Rathnayake</b> , University of North Carolina at Greensboro, USA
	<b>Keynote Sessions</b>
<b>11:40-12:20</b>	<b>Title:</b> The Use of Graphene to Improve the Thermal Performance of Nano-TiO <sub>2</sub> Photocatalyst in Stirred Tank Reactors <b>Dina Elgayar</b> , Alexandria University, Egypt
<b>12:20-13:00</b>	<b>Title:</b> The Main Cause and Prevention of Multiple Sclerosis and Its Relation to Cancer <b>Sorush Nikanmanian</b> , Liberty University, USA
<b>13:00-13:05</b>	<b>Group Photo</b>
<b>13:05-14:05</b>	<b>Lunch Break</b>
<b>14:05-14:45</b>	<b>Title:</b> Nano Modifications of Laminated Polymer Matrix Composite Materials for Improved Impact Resistance <b>Mubarak Ali M</b> , TKM College of Engineering, India
<b>14:45-15:25</b>	<b>Title:</b> Effect of Ceria Nano-coating on the Formation of a Protective Oxide-Scale Layer on the Surface of FeCrAl Fibers <b>Osama M. Ibrahim</b> , Kuwait University, Kuwait
<b>15:25-15:55</b>	<b>Title:</b> Phase-transition Induced Giant Negative Electrocaloric Effect in a Lead-free Relaxor Ferroelectric Thin Film <b>Biaolin Peng</b> , Guangxi University, China
<b>15:55-16:10</b>	<b>Coffee Break</b>

	<b>Oral Sessions</b>
<b>16:10-16:40</b>	<b>Title:</b> Turbulent Heat Transfer and Nanofluid Flow over Vortex Generators Using a Two-Phase Mixture Model <b>Jaber Hmoud Almutairi</b> , College of Technological Studies, Kuwait
<b>16:40-17:10</b>	<b>Title:</b> Externally Triggered Nanomachines for Breast Cancer Theranostics <b>Alexandre Loukanov</b> , Saitama University, Japan
<b>17:10-17:20</b>	<b>Panel Discussion</b>
<b>Day 2 Feb 18, 2020</b>	
<b>Chair</b>	<b>Sukhdev Roy</b> , Dayalbagh Educational Institute, India
<b>Co-Chair</b>	<b>Hemali P. Rathnayake</b> , University of North Carolina at Greensboro, USA
<b>10:00-10:30</b>	<b>Title:</b> Progress, Gaps and Challenges in Nanomaterials Applications in Zimbabwe-Gweru 's Water System <b>Mthokozisi Masumbika Ncube</b> , Zimbabwe Open University, Zimbabwe
<b>10:30-11:00</b>	<b>Title:</b> Gas Phase Electron Beam Industrial Technology for Nanopowder and Micropowder Production <b>Sergey Bardakhanov</b> , Bardakhanov LLC, Russia
<b>11:00-11:15</b>	<b>Coffee Break</b>
<b>11:15-11:45</b>	<b>Title:</b> Turbulent Heat Transfer and Nanofluid Flow over Vortex Generators Using a Two-Phase Mixture Model <b>Mohammad Reza Safaei</b> , Florida International University, USA
<b>11:45-12:15</b>	<b>Title:</b> A Novel Carbon based Nano-material as a Green and Reliable Substitute for Commercially Available Fluorophores and DNA Binding Agent <b>Sharath Shankar S</b> , Central University of Kerala, India
Speaker Slots Available	
<b>Poster Presentations on Day-2</b>	
<b>P-001</b>	<b>Title:</b> Anti-aging Effects Of a Novel Nano-composite on Human Dermal Fibroblasts Cells <b>Rania Karas</b> , Nile Pack Company, Egypt
<b>P-002</b>	<b>Title:</b> Studying the Mechanism of Electric Field-Induced Micro-Nano Patterning in Cr Film <b>Sumit Kumar</b> , Indian Institute of Science, India
<b>13:00-13:15</b>	<b>Panel Discussion</b>
<b>13:15-14:15</b>	<b>Lunch Break</b>
<b>***Note:This is a Tentative Program,it is subjected to slight changes till final program.</b>	

