SCIENTIFIC SUMMITS

WSE2DMG2024

November 14-16, 2024 | Rome, Italy

WSE2DMG-2024 Tentative Program		
DAY-1, 14 November-2024 | Thursday		
09:00-09:20	**Registrations**	
09:20-09:30	**Opening Cermony**	
09:30-10:10	**Conference Chairperson:** **Title:** Nano-Graphene: Advances, Limitations, and Promises in Health **Thomas J. Webster,** Hebei University of Technology, China	**P**
10:10-10:50	**Title:** Exploring 2D Layer-Structured Transition Metal Oxides and Graphene for Advanced Energy Technologies **Bin Zhu,** Southeast University, China	**P**
10:50-11:10	**Coffee Break**	
11:10:11:50	**Title:** **Soubantika Palchoudhury,** University of Dayton, USA	**P**
11:50-12:30	**Title:** **Raman Singh,** Monash University - Clayton Campus, Australia	**p**
12:30-13:10	**Title:** **John Lau,** Curtin University, Malaysia	**P**
13:10-14:00	**Lunch Break & Group Photo**	
14:00-14:40	**Title:** Graphene Nanocomposites: Enhancing Abrasion Resistance in Drilling Components **Biju Kumar,** nov.com, USA	**P**
14:40-15:20	**Title:** **Hassan Karimi-Maleh,** University of Electronics Science and Technology, China	**K**
15:20-15:45	**Title:** Heat transport in graphene-based quantum nano-electronic devices **Jana Awad,** Karlsruhe institute of technology	**I**
15:45-16:00	**Coffee Break**	
16:00-16:25	**Title:** Crystal growth, morphological, mechanical, spectroscopic studies, Optical properties, molecular docking, ADME/T, Hirshfeld surfaces analysis and theoretical calculations of hybrid organic-inorganic phosphate compound **Abdellatif Rafik,** Ibn Tofail University, Morraco	**I**
16:25-16:50	**Title:** Growth and synthesis of graphene and 2D materials **Fikadu Takele Geldasa,** Oda Bultum University, Ethiopia	**I**

16:50-17:15	**Title:** Enhanced mechanical properties of concrete via the addition of single-layer graphene oxide nanosheets **Rab Azel F. Barredo,** University of San Carlos, Philippines	**I**
17:15-17:40	**Title:** Sustainable Eco-friendly Graphene Synthesis by Shear Exfoliation of Graphite with Natural Surfactants **Supriya Kodali,** University of Hyderabad, India	**I**
17:40-18:05	**Title:** Shear Exfoliation of MXene Nanosheets **Asif Raza,** University of Hyderabad, India	**I**
End of Day 1		
Friday November 15, 2024 | Day-2		
09:00-09:25	**Title:** Self-Powered Cobalt Nanocluster Decorated Flexible Graphene Based Tribo-Sensors for Respiratory Diagnosis of Critical Asthma Patient **Subhabrata Das,** Institute of Nano Science and Technology, Mohali	**I**
09:25-09:50	**Title:** High-performancebroadband photodetector based on PtS2/MoS2 heterostructure **Gaurav Bassi,** Indian Institute of Technology Ropar, India	**I**
Note: The timings can be changed as per the requirements. Limited slots are left.		