

Scientific Program

9<sup>th</sup> International Conference on

# Physical and Theoretical Chemistry

&

36<sup>th</sup> International Conference on

# Nanotechnology & Expo

&

20<sup>th</sup> International Conference on

# Emerging Materials and Nanotechnology

---

November 14, 2022 | Webinar

---

November 14, 2022

\*\*\*Sessions will be hosted in GMT+1 (UK Timings)\*\*\*

## Opening Ceremony

09:00-09:10 Introduction

## Keynote Forum

09:10-09:50 **Title: Structural changes and reactions in reversibility behavior of shape memory alloys**  
Osman Adiguzel, Firat University, Turkey

09:50-10:30 **Title: Chemical reaction in the catalyst bed reactor design heterogeneous reaction**  
Mohamad Raze Akbari, Tehran University, Iran

Sessions: Theoretical and Computational Chemistry | Quantum Chemistry | Solid-state Chemistry | Electrochemistry | Organometallic Chemistry | Thermodynamics | Chemical Kinetics and Reaction Engineering | Chemical Engineering & Thermochemistry | Nanotechnology | Nanomedicine and Nano Biotechnology | Nanotoxicology | Nanoparticles and Nanomaterials | Graphene and Fullerenes | Nano Pharmaceuticals | Materials Science and Engineering Nanoscience | Nano Technology | Advanced Materials | Emerging Materials for Energy Storage | Polymer Science and Technology | Advanced Energy Material

10:30-11:00 **Title: Quantitative analysis of micelle-catalyzed reaction between [Cu(II)-gly-leu]<sup>+</sup> complex with ninhydrin**

Neelam Hazoor Zaidi, The University of Fiji, Fiji

11:00-11:30 **Title: Effect of COVID-19 pandemic on agricultural production and sustainable food system in Fiji**  
Mohammad Rasheed, Fiji National University, Fiji

11:30-12:00 **Title: Charge transfer electronic states and reorganization energy of OLED  $\alpha$ -NPD in amorphous and crystalline structure for organic electronics devices**

Simplice Koudjina, University of Abomey-Calavi, Benin

12:00-12:30 **Title: Nanoparticles, nanosuspension, stability and their improved thermal properties**  
Waqar Ahmed, Universiti Teknologi Malaysia, Malaysia

12:30-13:00 **Title: Toxicity of iron oxide nanoparticles, on antioxidant enzymes and free radicals in male rats**  
Abdelsalam Abuzreda, University of Benghazi, Libya

Lunch Break @ 13:00-13:20

13:20-13:50 **Title: Feasibility of nanofiber-based systems for skin cancers treatment**  
Shirin Shojaei, Kermanshah University of Medical Sciences, Iran

13:50-14:20 **Title: The use of green nano hydrogen as fuel and its effect**  
Abdelsalam Abuzreda, University of Benghazi, Libya



14:20-14:50 **Title: Synthesis of some enaminone derivatives under solvent-free process**  
Chahrazed Benhaoua, University of Tiaret, Algeria



14:50-15:20 **Title: Perovskites: Unlocking the potential**  
Naga Venkata Krishna Vajjhala, Indian Institute of Chemical Technology, India

15:20-15:50 **Title: Enhanced structural and electrical properties of trivalent substituted W-type hexagonal ferrites**  
Hasan M. Khan, Imam Reza Hospital, Iran

15:50-16:20 **Title: Analysis of the content and leaching tendency of magnesium (Mg), Zinc (Zn) and cesium (Cs) from clays into the water**  
Suresh Aluvihara, University of Peradeniya, Sri Lanka

16:20-16:50 **Title: Welding of nickel based superalloy for gas turbine engine applications**  
Tushar M. Sonar, South Ural State University, Russia

---

**Awards & Closing Ceremony**

