

**2<sup>nd</sup> International Webinar On**  
**MATERIAL SCIENCE**  
**AND**  
**TECHNOLOGY**

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**May 21-22, 2021**

**THEME: Recent Advancement Of Material Science  
And Technologies**



# KEYNOTE SESSION

**Title: The Role of Thermal and Mechanical Treatments in Memory Behaviour of Shape Memory Alloys**

Osman Adiguzel, Firat University, Turkey

14:00 - 14:40



**Title: Smart Nanostructures for Smart Applications**

Tokeer Ahmad, Jamia Millia Islamia, India

14:40 - 15:20



**Title: Systematic Fabrication of Environmental Materials Using Stereolithographic Additive Manufacturing**

Soshu Kirihara, Osaka University, Japan

15:20 - 16:00



**Title: Advanced nanomaterials for smart future and applications**

Aharon Gedanken, Bar-Ilan University, Israel

16:00 - 16:40



# ORAL SESSION - I

Title: Zn-Mg<sub>0.8</sub>-Sr<sub>0.2</sub>(wt.%) extruded alloy as a potential absorbable material for maxillofacial applications

Jaroslav Capek, Czech Academy of Sciences, Czech Republic

16:40 - 17:10



Title: Hydrodynamic Modeling of Asymmetric Diffusion using Magnetic Iron Oxide MicroNanorods

Tajudeen Ayodele Adebileje, Tehran University of Medical Sciences, Iran

17:10 - 17:40



# POSTER SESSION

Title: ZnFe<sub>2</sub>O<sub>4</sub>/CdS/ZSM-5 zeolite nanocomposite: Synthesis & its application for the sonocatalytic degradation of toxic organic pollutants

Pourya Zarshenas, Shahid Beheshti University, Iran

17:40 - 18:00



# ORAL SESSION - II

Title: New and Efficient ZnO based antibacterials

Vijayaraghavan Rajagopalan, School of Advanced Sciences, India

18:00 - 18:30



Title: Transition metal oxide nanoparticles:  
adsorption/desorption of bio/chemical molecules for  
myriad of applications

Edward Lai, Carleton University, Canada

18:30 - 19:00



**Speaker Slots & Keynote  
speaker slots available....**