



21<sup>th</sup> International Conference on  
**Materials Research &  
Technology**

November 16-17, 2022  
Dubai, UAE

# Materials Research 2022

<b>21th International Conference on Materials Research &amp; Technology</b>	
<b>Talk 1</b>	<b>Topic :</b> Title: Proposition Of New Cold Fusion Reactor Based On The Mechanism With The Flat Wafer With Nano Structure And With The Electrode To Control The Surface Potential Of Metals
	Noriyuki Kodama, Tokyo Japan Independent researcher
<b>Talk 2</b>	<b>Topic:</b> First Principles Modeling Of Three-Phase Interface System Of Zrb <sub>2</sub> -Zrc-Zrsi <sub>2</sub>
	Serzat Safaltin, Department of Metallurgical and Materials Engineering, Istanbul Technical University, Istanbul, Turkey
<b>Talk 3</b>	<b>Topic:</b> Active Role Of Câ,Fnâ,,,, And Cqd For Photocatalytic Water Purification, An Overview
	Wilfried Wunderlich, Department of Material Science, Faculty of Engineering, Tokai University, Japan
<b>Talk 4</b>	<b>Topic:</b> Novel Approaches For Transdermal Drug Delivery Of Curcumin
	Sailaja, Department of Pharmaceutics, RBVRR Womenâ€™s College of Pharmacy, Barkatpura, Hyderabad, Telangana, India
<b>Talk 5</b>	<b>Topic :</b> Freeze Thaw Environment Of Concrete Material Effect & Polymers
	Khalid Abdelhadi Zuiater, Department of Civil Engineering, Shanghai Construction Group, Yenigun General Contracting, Abu Dhabi, UAE

## ***Dear Colleagues***

International Conference on Materials Research & Technology” will take place in November 16-17, 2022. Dubai, UAE, Materials Technology 2022 provides the basic ideas for innovating new sustainability materials and technologies. The theme of Innovative approach and recent developments in Materials Research & Technology. Material research area covers a wide range of growing markets, such as engineering resins, plastic alloys and blends, advanced batteries and fuel cells, and soon. The technological curriculum of Materials research 2022 is unprecedented, discussing structure, properties, storage and quality across the population of materials. Materials Technology 2022 brings together researchers, engineers, students, suppliers and business leaders to discuss current research and technical developments and shape the future of science and technology in materials.

### ***Conference Highlights:***

- Materials Science
  - Composites, Polymers, and Ceramics
  - Construction Engineering Materials Science
  - Material Research’s Role in Biotechnology and Pharmaceutical Manufacturing
  - Nanomaterials and nanotechnology
  - Materials in Defense, Aerospace and Mechanical
- Engineering
- Mining, Metallurgy and Materials Science
  - Emerging Smart Materials
  - Biomaterials, Tissue Engineering and Health Care
  - Electrical, Optical, and Magnetic Materials
  - Cluster Science & Nano-Toxicology

# About Dubai

Dubai is the most swarmed and the greatest city in the United Arab Emirates (UAE). It is organized on the southeast bank of the Persian Gulf and is the capital of the Emirate of Dubai, one of the seven emirates that make up the country. The city of Dubai is organized on the emirate's northern coastline and heads the Dubai-Sharjah-Ajman metropolitan district. The emirate of Dubai offers edges to Abu Dhabi in the south, Sharjah in the upper east, and the Sultanate of Oman in the southeast.



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