

VIRTUAL EVENT



# FINAL PROGRAM

International Conference on  
**Minerals, Metallurgy  
and Materials**

**March 22-23, 2021**

 @MatScienceEvent  @MatScienceEvent

| **Website:** <https://magnusconferences.com/materials-science/>

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GMT Timings Local Timings

12:00-12:10

Opening Ceremony

**Keynote Presentations**

12:10-13:00

13:10-14:00

Title: Integration of molecular machines and motors into supramolecular materials: Structural properties studied by small-angle neutron and X-ray scattering

Eric Buhler, The University of Paris, France

13:00-13:50

14:00-14:50

Title: Thin films of oxides by atomic layer deposition – New applications

Marek Godlewski, Institute of Physics Polish Academy of Sciences, Poland

13:50-14:40

15:50-16:40

Title: Size-dependent properties in *BaTiO<sub>3</sub>* - based ceramics

Lavinia Curecheriu, Alexandru Ioan Cuza University, Romania

**Oral Presentations**

14:40-15:00

10:40-11:00

Title: Hybrid enthalpy method for finite element thermal analysis of multi-materials involving multi-orientations of the thermal conductivity tensor

Fouad Erchiqui, Universite du Quebec en Abitibi-Temiscamingue, Canada

15:00-15:20

16:00-16:20

Title: Detection of defects in *CFRP* composites by optical thermography methods

Waldemar Swiderski, Military Institute of Armament Technology, Poland

15:20-15:40

16:20-16:40

Title: The use of thin AAs capping layers in the InAs/GaAs quantum dot system for intermediate band solar cells

Nazaret Ruiz Marin, University of Cadiz, Spain

15:40-16:00

16:40-17:00

Title: Comparative of different capping approaches in the preservation of InAs/GaAs quantum dots in terms of content, size and density

Sara Flores Gallegos, University of Cadiz, Spain

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16:00-16:20	17:00-17:20	Title: Remediation activities in the former mercury mine of abbadia san salvatore (Tuscany, central Italy)  Orlando Vaselli, University of Florence, Italy
16:20-16:40	20:20-20:40	Title: Extrusion, microstructure and mechanical characterization of a new magnesium based multicomponent alloy  Anchal Nahata, Bits Pilani Dubai Campus, United Arab Emirates
16:40-17:00	19:40-20:00	Title: Investigated the behaviour of engineering nanoparticle materials during the anaerobic digestion  Maryam Alejji, Qatar University, Qatar
17:00-17:20	20:00-20:20	Title: Coins from Al-zubarah, Qatar: A historical-scientific study  Noora Al-Qahtani, Qatar University, Qatar
17:20-17:40	18:20-18:40	Title: Evaluation of ecofriendly compounds performance as corrosion inhibitors for mild steel in molar hydrochloric acid: electrochemical study and theoretical approach  Mohamed Oubaaqa, Ibn Tofail University, Morocco
17:40-18:00	14:40-15:00	Title: On the enhanced in interfacial strength through carbon/glass hybrid composite: mode I fatigue delamination  Francisco Maciel Monticeli, Sao Paulo State University, Brazil

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GMT Timings Local Timings

**Keynote Presentations**

12:00-12:50 15:00-15:50 Title: Computer models of T-x-y Diagrams: Verification of Ag-Cu-Ni & A-Sb-Sn (A = Ag, Au, Bi, Co, Cu, In, Ni) ternary systems

Vasily Lutsyk, Institute of Physical Materials Science SB RAS, Russian Federation

12:50-13:40 18:20-19:10 Title: Computational, thermodynamic and experimental studies on acid corrosion Inhibition of aluminium by Acarbose

Ashish Kumar, Lovely Professional University, India

**Oral Presentations**

13:40-14:00 14:40-15:00 Title: Plasma-processed nanofibrous electrospun mats as functional scaffolds or drug delivery systems

Lenka Zajickova, Brno University of Technology, Czech Republic

14:00-14:20 22:00-22:20 Title: Observation of spin-reorientation transitions in BiFeO<sub>3</sub> multiferroics modified by lead and titanium

Ashwini Kumar, Luzhou Vocational and Technical College, China

14:20-14:40 22:20-22:40 Title: Copper sulfide composite thermoelectric materials: structure design and performance boost

Xinqi Chen, Hubei University of Education, China

14:40-15:00 16:40-17:00 Title: Mechanical behavior of transition metals-containing Al-Si-Cu-Mg cast alloy subjected to prolonged thermal exposure

Mohamed H Abdelaziz, French University in Egypt, Egypt

15:00-15:20 15:00-15:20 Title: The worth of tropical hardwood branchwood as supplementary material to its stemwood for wood products manufacturing

Peter Kessels Dadzie, Kumasi Technical University, Ghana

15:20-15:40 18:20-18:40 Title: A novel microwave energy-based approach to hybrid nanomaterial preparation for electrochemical energy storage purposes

Selcuk Poyraz, Adiyaman University, Turkey

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15:40-16:00    21:10-21:30    Title: Utilazation of novel technology for sustainability in agriculture-plant disease management

P Anitha and Nanda N, Bangalore City University, India

### Poster Presentations

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16:00-16:10    17:00-17:10    Title: Preparation anode materials for Li-ion batteries like catalysts materials with transitions metals

Danuta Olszewska, AGH University of Science and Technology, Poland

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16:10-16:20    17:10-17:20    Title: Influence of the metal content on microstructure and selected properties of Al<sub>2</sub>O<sub>3</sub>-Cu-Ni composites manufactured by uniaxial pressing

Paulina Piotrkiewicz, Warsaw University of Technology, Poland

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16:20-16:30    17:20-17:30    Title: Fabrication of Al<sub>2</sub>O<sub>3</sub>-Cu-Mo composites by centrifugal slip casting method

Justyna Zygmuntowicz, Warsaw University of Technology, Poland

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16:30-16:40    17:30-17:40    Title: Recovering abandoned mining areas: the case study of abbadia san salvatore (Siena, Tuscany Region, Central Italy)

Barbara Nisi, CNR-Insitute of Geosciences and Earth Resources, Italy

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16:40-16:50    19:40-19:50    Title: Physical and chemical basis of new process recovery of valuable elements from waste of solid fossil fuels

Irina V Kunilova, ICEMR RAS, Russia

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16:50-17:00    17:50-18:00    Title: Silver nanoparticles in zeolites matrix incorporated in commercial coating

Manuel Cortez Valadez, University of Sonora, Mexico

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17:00-17:10    18:00-18:10    Title: Development of lignin-PVP micro- and nano-structures by electrospinning and their thickening capacity in oil media

Miss. María Borrego Algarra, University of Huelva, Spain

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## QUERIES? CONTACT

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or

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