



November 17-18, 2021, Khenchela, Algeria

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### Aims and Scope

The First International Conference on Materials Science and Engineering (ICSEM'21) provides a forum for specialists and practitioners to present and discuss their research results in the several areas of the conference, and newest findings in all fields of materials science and engineering, discuss the practical challenges encountered recommend better solutions for human life. The conference ICSEM'21 publishes papers on theoretical analysis, experimental studies and applications in the domain of Aeronautical systems, Medical material, Robotic, Renewable energy and Computational Material Science. The objective of the conference is not only the exchange of knowledge and experience, since the conference is an open door to students, but also provides opportunities for researchers to target future collaboration on current issues.

### Topics of interest include, but are not limited to the following:

#### Materials

Material characterization and Behavior, degradation, Interfaces and coatings, Ceramics and Composite Materials - Metallic materials, Materials in Construction and Civil Engineering, Nanomaterials, Nanoparticulates and Nanocomposites,

#### Structural Material

Multifunctional Materials, Composites, Metallic Alloys, Materials, Ceramics and Glasses, Amorphous Materials, Biomaterials, Stainless Steel, Material Shaping.

#### Materials Processing Engineering

Metallurgy Technology, Polymer Materials, Polymer Processing, Metalworking, Casting, Welding, mechanical fabrication, Surface Treatment, Machining, Plastic Forming, Quality Assessment, Automation Engineering Processes, Robotics, Mechatronics, Technological Devices and Equipment, Theoretical Fundamentals of Cleaner Production, Industrial Application of Cleaner Production Methods.

#### Material Chemistry

Materials Chemistry, Instrumental Analysis, Optical Analysis, Polymer Science, Material Processing, Structural Chemistry.

#### Renewable energy

Bioenergy and sustainability, Wind energy, Solar energy, Thermal energy, Hybrid renewable energy, Fuel cell, Energy storage and management, Energy transfer, Photovoltaic energy, Biomass, Geothermal, Nuclear energy.

#### Paper Submission

Prospective authors are invited to submit their papers written in English: The full papers (in pdf format) should be submitted in standard IEEE double-column format for conferences via:

<https://easychair.org/my/conference?conf=icmse2021>

The best selected articles of the conference will be recommended for publication into International Journal as a special issue:

**Topical Collection:** Engineering - Energy Applications, Theoretical Modeling and Design Optimization.

<https://www.springer.com/journal/42452/updates/17914552>

As well as his books:

- Mechanical engineering technologies and applications.
- Design optimization of energy applications through heat transfer system.
- Theoretical modeling for efficient energy applications: selected reviews and experiments.

#### **Important Dates**

- Paper submission deadline: July 31, 2021
- Author notification: October 05, 2021
- Final paper Submission: October 20, 2021

