Abbes LAGHROUR University, Khenchela, Algeria

Laboratory of SuperelasticBiointerfaces, Tomsk State University, Russia

Laboratory of Materials & Catalysis, Djilali Liabes University, Sidi Bel Abbes Algeria

Organizes

First International Conference on Materials Sciences and Technology


2nd call for papers

We are pleased to announce the first International Conference on Materials Science and Technology (MatScience-2022) to be held in Abbes LAGHROUR University Khenchela, Algeria from December 13th to 15th, 2022, in collaboration with Laboratory of foundry, Annaba, ISET Kef Tunisia, the Laboratory of Materials & Catalysis, Djilali Liabes University, Sidi Bel Abbes Algeria and Laboratory of SuperelasticBiointerfaces, Tomsk State University, Russian Federation.

This conference aims and dedicates itself to providing networking possibilities for researchers, scientists, engineers and scholars to share their experience, original ideas and innovative research in the fields of Materials Science and Technology, the state-of-the-art methodologies and technologies within materials, Chemical Engineering and Process technology. The meeting also aims to attract participants from different backgrounds, foster cross-pollination between different research fields, and exhibit and discuss innovative theories, frameworks, methodologies, tools, and applications. It is dedicated to creating a stage for exchanging the latest research results and sharing the generous research methods. In addition, this conference would also be a stand to discuss practical issues, challenges encountered as well as the solutions adopted.

The 1st MatScience-2022 conference committee is pleased to invite authors and scholars from all over the world to be a part of this conference and share their innovative research progress with the academic and industrial world. We believe the conference would be a great platform to improve our knowledge and create new ideas to promote advances and changes in joint academic research. The synergy between materials scientists and engineers can create ideas which at one time may not have been possible.

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Topics

MatScience-2022 calls for articles in all areas of materials science and Technology including:

1. Nanomaterials and Nanotechnology
   - Nanofabrication, nanometrology and applications
   - Nanomaterials and nanomanufacturing

2. Materials, Properties and Characterization
   - Ceramics and glasses
   - Chemistry and fundamental properties of matter
   - Materials Characterization
   - Materials forming, Casting and solidification
   - Materials in structural design and modeling

3. Functional Materials
   - Advanced Materials; Functional Materials; Electronic Materials; Magnetic materials

4. Energy Materials
   - Energy materials – synthesis and applications
   - Green and renewable materials
   - Polymer Materials, Polymer Electrolytes

5. Materials Engineering
   - Computer-aided design, manufacturing, and engineering
   - Computational materials; Machining
   - Environmentally sustainable manufacturing processes
   - Manufacturing process planning and scheduling
   - Material synthesis, fabrication, manufacture, and processing
   - Mechanical and Electronic Engineering Control
   - Mechanical and Electronic Engineering Control

6. Composite Materials
   - Nanocomposites; Biomedical composites; physical, chemical, mechanical and other properties of advanced composites, Polymer composites, Composite Laminate

7. Biomaterials:
   - Biomaterials; Biomedical manufacturing.

8. Materials and Environment

9. Renewable Energies:
   - PV Systems; Wind Systems; Smart Grids; Optimization and identification Multi-sources; Optimization and diagnosis of multi-source systems

10. Chemistry - Quantum Chemistry:
    - Molecular docking; Molecular modeling; Materials Chemistry; Nanotechnology; Electrochemistry; Surface Chemistry; Physical Chemistry

12. Applied Ceramic Technology:
    - Nanotechnology Applications; Ceramic Armor; Ceramic and Technology for Energy Applications; Ceramic Matrix Composites; Functional Materials; Thermal and Environmental Barrier Coatings; Bioceramic Applications; Green Manufacturing; Ceramic Processing; Ceramics in Electronic
**Plenary Key Speaker**
- Pr. Souren Grigorian, University of Siegen, Germany
- Pr. L’Hocine YAHIYA, École Polytechnique de Montréal, Canada
- Pr. Nouar TABEL, University of Sharjah, United Arab Emirates
- Pr. Chaouki GHENAI, Sharjah, United Arab Emirates
- Pr. Mohammed ABDULSAMAD (KFUPM), Saudi Arabia
- Pr. Vizurecanu PETRICA, University of Lasi, Romania
- Pr. Riccardo BOOCCHI, Università Degli Studi di Brescia, Italy
- Pr. Akram ALHUSSEIN, Troyes University, France
- Pr. Corrine NOUVEAU, ENSAM - ParisTech, Cluny, France
- Pr. Oliver Thomas, IM2NP UMR-Marseille University, France
- Pr. Younes HAMED, GAFSA University, Tunisia
- Pr. Mohammed Chérif BENOUAÏDA, ENSMM, Annaba, Algeria
- Pr. Rezzak DAOUD, Khemchela University, Algeria
- Pr. Abderazak BEZAZI, Guemla University, Algeria
- Pr. Pavol Hvizdos, Slovak Academy of Science, Kosice, Slovakia
- Pr. Maria ROSARIO Plutino, Messina University, Italy
- Dr. Hichem GUIZANI, ISET KEF, Tunisia
- Dr. Abdelhalim ALLAOUI, Khemchela University, Algeria
- Dr. Mohamed AICHI, Khenchela University, Algeria
- Dr. Faycel KHADRAOUI, Khenchela University, Algeria
- Dr. Salim BRAHIMI, Boumerdes University, Algeria
- Dr. Fatima ALLOUCH, Khenchela University, Algeria
- Dr. Zina BOUTABA, Khemchela University, Algeria
- Dr. Fatima ALLOUCH, Khemchela University, Algeria
- Dr. Adel SAOUDI, CRAPC centre, Algeria
- Dr. Zina BOUTABA, Khemchela University, Algeria
- Dr. Fatima ALLOUCH, Khemchela University, Algeria
- Dr. Oualid BEDLA, Khemchela University, Algeria
- Dr. Salah ELKHACHEN, CRAPC centre, Algeria
- Dr. Faycel KHADRAOUI, Khemchela University, Algeria
- Dr. Mohamed AICHI, Khemchela University, Algeria

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- Pr. Hichem FHK, Oum Elboughi University, Algeria

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**Important Dates**
- Submission opening: August 4th, 2022
- Submission deadline: August 30th, 2022
- Notification of acceptance: September 4th, 2022
- Full paper submission deadline: September 21st, 2022
- Registration deadline: October 21st, 2022
- Conference date: December 13th to 15th, 2022
- Official opening: December 13th at 9:00
- Official closing: December 15th at 15:00

**Submission**
- Website: [https://matscience2022.wixsite.com/uakh](https://matscience2022.wixsite.com/uakh)
- Submission of abstract only via: [https://easychair.org/conferences/?conf=matsciences2022](https://easychair.org/conferences/?conf=matsciences2022)
- Contact: matsu2022@gmail.com
- Submission Language: Only papers in English will be accepted
- Presentation Language: English, French, and Arabic.
Supported Journals:

1) Journal of New Technology and Materials (EISSN: 2588-2082; ISSN 2170-161X); Class “B”, covered by "Emerging Sources Citation Index" data base, a new index in the Web of Science™ Core Collection. [https://sites.google.com/site/jntmjournal/]

2) One volume will published Materials Science Forum (MSF) [https://www.sciencedirect.com/science/journal/02540834] Scopus indexed journal.

3) Algerian Journal of Engineering and Technology (EISSN: 2716-9278; ISSN 2716-9227) [http://jetjournal.org/index.php/ajet/about]

4) A regular issue will be published in one of indexed MDPI journals

Registration Fees

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<th>With Accommodation</th>
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<td>Local participants</td>
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<td>-Academic: 100 Euro</td>
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For paper publication, an extra charge of 50 euros will be required for publication in Scopus indexed journal.