



an Open Access Journal by MDPI

## Feature Papers in Materials Physics (2nd Edition)

Guest Editors:

### Dr. Vlassios Likodimos

Section of Condensed Matter  
Physics, Department of Physics,  
National and Kapodistrian  
University of Athens, University  
Campus, GR-157 84 Zografou,  
Athens

### Prof. Dr. Andres Sotelo

Instituto de Ciencia de Materiales  
de Aragón (CSIC-Universidad de  
Zaragoza), Made Luna 3, 50018  
Zaragoza, Spain

Deadline for manuscript  
submissions:

**20 October 2024**

### Message from the Guest Editors

Dear Colleagues,

Materials physics has been one of the most vivid fields in materials research that has played a key role in shaping and advancing modern materials from both a fundamental and applied perspective. This Special Issue seeks high-quality feature papers on materials physics that provide insights into and highlight the latest progress and innovative developments in materials fabrication and processing, characterization, integration, and performance evaluation in existing and emerging technologies in diverse fields ranging from mechanics, electronics, and photonics to solar energy conversion and environmental engineering.

As Guest Editors, we cordially invite you to submit your recent work to this Special Issue. The topics of interest include but are not limited to:

- Metals and alloys
- Ceramics and coatings
- Semiconductors
- Metal oxides
- Optical and photonic materials
- Low-dimensional materials
- Plasmonics and metamaterials
- Magnetic materials
- Superconducting and quantum materials
- Ferroelectrics, multiferroics, and magnetoelectrics
- Thermoelectrics
- Polymers etc.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

## Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

**Journal Rank:** JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

## Contact Us

---

Materials Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/materials](http://mdpi.com/journal/materials)  
[materials@mdpi.com](mailto:materials@mdpi.com)  
[X@Materials\\_Mdpi](https://twitter.com/Materials_Mdpi)