



## The Research of Inorganic Nanomaterials

Guest Editor:

### Dr. Sotirios Christodoulou

Inorganic Nanocrystals  
Laboratory, Chemistry  
Department, University of Cyprus,  
Nicosia, Cyprus

Deadline for manuscript  
submissions:

**closed (1 October 2021)**

### Message from the Guest Editor

Research on the fabrication of highly efficient optoelectronic devices has been tremendously expanded in the last decades, mainly thanks to the development of new materials which either substitute or incorporate conventional ones. Nowadays, a plethora of inorganic materials is already being used in devices such as solar cells, transistors, light-emitting diodes (LEDs), photodetectors, and catalysts. In recent years, nanomaterials have attracted considerable attention due to their excellent magnetic and optoelectronic responses, enhanced stability, and high surface-to-volume ratio, which qualify them as promising candidates to replace or complement conventional technologies. Therefore, this Special issue will cover a broad array of topics focused on inorganic nanomaterials and nanocomposites, emphasizing their synthesis, properties, and applications.

- Inorganic nanomaterials (semiconductors, quantum dots, oxides, ceramics, etc.)
- Nanocomposites (hybrid nanomaterials, inorganic/organic, etc.)
- Optoelectronic properties
- Applications (catalysis, solar cells, lasers, photodetectors, 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)