



## Synthesis, and Characterisation of Metallic and Non-Metallic Nanoparticle Systems for Use in Biomedical and Catalytic Applications

Guest Editor:

**Dr. Michael R. Mucalo**

Associate Professor, School of  
Science, University of Waikato,  
Hamilton, New Zealand

Deadline for manuscript  
submissions:

**closed (30 November 2020)**

### Message from the Guest Editor

Dear Colleagues,

Research on metal nanoparticle systems is a very active and topical field in today's research environment. The formation of metal nanoparticles and their characterization (usually under the subject heading of colloid science) have preoccupied scientists for over 160 years as a defined scientific discipline.

Following a lull in interest in these systems, a strongly renewed interest in metal colloid science area occurred in the late 20th century, persisting until now in the 21st century. "Nanotechnology" is the broader umbrella term under which research into colloidal systems now falls along with many other genres of science which follow the nanotechnological theme.

As usual, any articles submitted to this Special Issue on nanoparticles will be subjected to robust peer review. Manuscripts dealing with the fundamental science of colloidal dispersions and their applications and reviews of nanoparticle systems can be submitted. We look forward to your contributions and hope to obtain papers on a broad selection of topics to make this a truly unique Special Issue.

Assoc. Prof. Michael R. Mucalo

*Guest Editor*





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 - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

## Contact Us

Materials Editorial Office  
MDPI, St. Alban-Anlage 66  
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)