



an Open Access Journal by MDPI

## Optical Nanomaterials for Diagnosis and Therapy

Guest Editor:

### **Dr. Run Zhang**

Australian Institute for  
Bioengineering and  
Nanotechnology, University of  
Queensland, Brisbane 4072,  
Australia

Deadline for manuscript  
submissions:

**closed (28 February 2021)**

### **Message from the Guest Editor**

Dear Colleagues,

This Special Issue aims to provide a forum for communication among scientists in the fields of nanomaterials science, photochemistry-photophysics-photobiology, nanobiophotonics, and nano-theranostics. Fluorescence, phosphorescence, bioluminescence, and electrochemical luminescence techniques will be discussed in this Special Issue. The development of next-generation optical nanomaterials, such as polymer, metal-organic frameworks and inorganic nanoparticles are within the scope. Studies on the cutting-edge nanomaterial preparations, innovative methodologies on surface chemistry, unique mechanisms of the nano-bio interface, and relevant diagnostic and therapeutic applications will also be included. The applications of optical materials in various research areas, such as biosensing, bioimaging, drug/gene/protein delivery, phototherapy, etc., will be further discussed.



[mdpi.com/si/14615](https://mdpi.com/si/14615)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Eugenia Valsami-Jones**

School of Geography, Earth and Environmental Science,  
University of Birmingham,  
Birmingham B15 2TT, UK

## Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

## 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, CAPlus / SciFinder, Inspec, and other databases.

**Journal Rank:** JCR - Q2 (Physics, Applied) / CiteScore - Q1 (General Chemical Engineering)

## Contact Us

---

*Nanomaterials* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

[mdpi.com/journal/nanomaterials](http://mdpi.com/journal/nanomaterials)  
[nanomaterials@mdpi.com](mailto:nanomaterials@mdpi.com)  
[X@nano\\_mdpi](https://x.com/nano_mdpi)