

## Special Issue

# Nanomaterials with Controlled Morphology for Use in Catalysis and Biological Fields, Volume II

### Message from the Guest Editors

Dear colleagues, This Research Topic will highlight significant contributions made by leading researchers in the emerging field of nanomaterials. We invite original research and review articles. Specific areas of interest include, but are not limited to the following:

- Nanomaterials with novel properties for practical applications
- Functionalization and characterization of nanomaterial
- Phase engineering- and morphology-dependent properties of nanomaterials
- Nanomaterials for application in photocatalysis, electrocatalysis, photothermal/photodynamic therapy, and bioluminescent probe
- Tailoring of polymeric nanomaterials and organic-inorganic nanostructures
- The solubility, dispersion, de-functionalization, and optical properties of photoelectric functional materials
- Photoelectric nanomaterials for photocatalysis applications in water splitting, CO<sub>2</sub> reduction, pollutant degradation, antibacterial and so on
- Inorganic catalysts used for soot combustion, NO<sub>x</sub> elimination and other organic reactions

See more information at <https://mdpi.com/si/156267>. We look forward to your contributions. Guest Editors

---

### Guest Editors

Prof. Dr. Kezhen Qi

College of Pharmacy, Dali University, Dali 671000, China

Prof. Dr. Kun Zheng

Faculty of Energy and Fuels, AGH University of Krakow, Krakow, Poland

Dr. Rengaraj Selvaraj

Department of Chemistry, College of Science, Sultan Qaboos University, P.O. Box 36. Al-Khod, Muscat 123, Oman

---

### Deadline for manuscript submissions

closed (31 August 2023)



## Nanomaterials

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.3  
CiteScore 9.2  
Indexed in PubMed



[mdpi.com/si/156267](https://mdpi.com/si/156267)

*Nanomaterials*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[nanomaterials@mdpi.com](mailto:nanomaterials@mdpi.com)

[mdpi.com/journal/  
nanomaterials](https://mdpi.com/journal/nanomaterials)





# Nanomaterials

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.3  
CiteScore 9.2  
Indexed in PubMed



[mdpi.com/journal/  
nanomaterials](https://mdpi.com/journal/nanomaterials)



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones

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

---

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

#### Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q1 (General Chemical Engineering)