

Special Issue

Advanced Nanomaterials for Electrochemical Sensors and Energy Storage Device Applications

Message from the Guest Editors

This Special Issue will discuss the latest processing methods, microstructure characterizations, mechanisms, and properties of novel nanomaterials, as well as their applications in electrochemical sensors and energy storage devices. Research areas may include (but are not limited to) the following:

- Novel fabrication methods for nanomaterials and composites;
- Modification, functionalization and doping of nanomaterials;
- Assembly and processing of nanomaterials;
- Electrochemical sensors;
- Energy storage device.

We look forward to receiving your contributions.

Guest Editors

Prof. Dr. Wei Yan

Department of Environmental Science & Engineering, School of Energy and Power Engineering, Xi'an Jiaotong University, Xi'an 710049, China

Dr. Lei Zhu

Department of Environmental Science & Engineering, School of Energy and Power Engineering, Xi'an Jiaotong University, Xi'an 710049, China

Deadline for manuscript submissions

10 March 2026



Nanomaterials

an Open Access Journal
by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/249976

Nanomaterials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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.

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)