

## Special Issue

# Nanosomes in Precision Nanomedicine (Second Edition)

### Message from the Guest Editor

Nanosomes are small vesicles that are used in precision nanomedicine to deliver therapeutic drugs to specific cells or tissues. They are designed to improve the efficacy and safety of drug delivery systems.

Nanosomes have a unique structure consisting of a liposomal bilayer around a hydrophilic core. The core contains either a therapeutic drug or a functional biomolecule that can selectively target specific cells or tissues. The use of nanosomes in precision nanomedicine has the potential to revolutionize the treatment of various diseases, including cancer, neurological disorders, and infectious diseases. Furthermore, nanosomes can be modified to carry multiple therapeutic drugs, allowing for personalized medicine tailored to individual patient's needs. Thanks to the continuous research and development, nanosomes represent a promise in revolutionizing the way to treat diseases, improving patients' lives through precision nanomedicine. This special issue aims to collect reviews and papers on new advances or breakthroughs in the design, synthesis, production methods, fundamental understanding and applications of Nanosomes.

### Guest Editor

Prof. Dr. Lucia Baldino

Department of Industrial Engineering, University of Salerno, Via Giovanni Paolo II 132, 84084 Fisciano, Italy

### Deadline for manuscript submissions

31 October 2025



## Nanomaterials

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.3  
CiteScore 9.2  
Indexed in PubMed



[mdpi.com/si/211273](https://mdpi.com/si/211273)

*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.

---

### 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)