

## Special Issue

# Nanomaterials in Biomedicine 2022

### Message from the Guest Editor

During the 21st century, nanomedicine is one of the fastest growing areas in the field of nanotechnology. The set of new nanomaterials able to interact with cells at the molecular level has significantly expanded the applications scope for these devices. The outstanding advances helped to develop both soft nanomaterials (liposomes, polymeric nanoparticles, etc.) and hard nanomaterials (metallic, magnetic oxides, quantum dots, graphene, mesoporous silica, etc.) have opened new possibilities, not accessible to materials designed in the macroscale. In this sense, nanomaterials have emerged in the field of biomedicine through different topics including diagnosis, imaging, therapy, drug delivery, tissue regeneration, and the design of new nanostructured coatings for implants. This Special Issue, entitled “Nanomaterials in Biomedicine 2022”, is opened to original research works involving the development of new nanomaterials, including their in vitro or in vivo evaluation, as well as reviews discussing in a critical manner the most significant advances in the topics mentioned above.

### Guest Editor

Prof. Dr. Daniel Arcos

Departamento de Química en Ciencias Farmacéuticas, Universidad Complutense de Madrid, Av. Séneca, 2, 28040 Madrid, Spain

### Deadline for manuscript submissions

closed (31 December 2022)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/105121](https://mdpi.com/si/105121)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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





# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

---

### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

---

### 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, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore  
- Q1 (Organic Chemistry)