



Nanomaterials for Biomedical and Environmental Applications

Guest Editor:

Prof. Dr. Łukasz Laskowski

Henryk Niewodniczanski Institute
of Nuclear Physics of the Polish
Academy of Sciences, Krakow,
Poland

Deadline for manuscript
submissions:

20 December 2024

Message from the Guest Editor

Dear Colleagues,

Molecular engineering is opening up new possibilities for producing materials with tightly engineered applications. Using this approach, it is possible to obtain nanomaterials that are much more effective and precise than those obtained by classical wet chemistry methods.

Undoubtedly, the most important applications of nanomaterials, especially functional ones, are in the biomedical and environmental fields. Materials containing functional groups precisely located inside the nanostructure can effectively eliminate bacteria, reach specific tissues, and catalyze tissue regeneration processes.

This Special Issue focuses on nanomaterials and functional nanomaterials for biomedical and environmental applications. We will be accepting original research articles, comprehensive reviews, and new communications on the synthesis, study, and applications of such materials in bacterial eradication, tissue healing, anticancer therapies, and environmental protection in the broadest sense, focusing on water and soil remediation. However, we are also open to interesting articles from outside this field.





an Open Access Journal by MDPI

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

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.

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 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI