

Special Issue

Molecular Perspectives in Nanoadsorption

Message from the Guest Editor

The development of nanoadsorbents for a multitude of applications is a fact (water decontamination, drug nanocarriers, new adsorption nanotechnologies, etc.). It is in the molecular region where chemists, biologists, physicists, and molecular engineers working in nanosciences can find better opportunities for interaction. In particular, areas such as supramolecular chemistry, biology, and physics are expected to converge in this region. This Special Issue will focus on the study of the molecular aspects of nanoadsorption in prevention systems for public health. Therefore, authors are invited to submit original research and review articles addressing the progress and current status of the molecular mechanisms of nanoadsorption. Topics include, but are not limited to:

Molecular interaction mechanisms in nanoadsorption.

Analysis of functionalization in nanoadsorption.

Techniques for the analysis and identification of molecules, pathways, and signaling networks in nanoadsorption applications.

Guest Editor

Dr. Carmen María Del Hoyo Martínez

Department of Inorganic Chemistry, University of Salamanca, 37008 Salamanca, Spain

Deadline for manuscript submissions

25 February 2026



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/218010

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)