

Special Issue

Recent Advances in Molecular and Hybrid Structures: Synthesis, Diagnostics, and Applications

Message from the Guest Editor

Molecular and hybrid organo-inorganic crystal structures play an outstanding role in modern chemistry. Aside from structural identity proofs of pure organics, the areas of their application range from molecular magnets to models of active centers of natural (enzymes) and synthetic catalysts, and from complex polynuclear species to endohedral structures, to name just a few recent topics. The various metal-organic and organically templated structures employed in solving major problems of current pure and applied chemistry are also interest—from size-selective separation to enantioselective catalysis, from the capture of toxic and radioactive agents to their selective oxidation–reduction, etc. We invite specialists in molecular structural, magnetic, catalytic, and template chemistry to submit their contributions to this Special Issue addressing molecular and hybrid structures; we are particularly interested in papers which cover their synthesis, diagnostics, and applications.

Guest Editor

Dr. Oleg Siidra

Department of Crystallography, Institute of Earth Sciences, St. Petersburg State University, St. Petersburg 199034, Russia

Deadline for manuscript submissions

closed (31 July 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/146825

*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)