

Special Issue

Advances in Topological Nanomaterials

Message from the Guest Editor

topological materials hold fundamental scientific importance and have the potential to impact various applications, including spintronics, low-dissipation electronics, and topological quantum computing, by utilizing topologically protected spin-polarized electronic states with linear energy-momentum dispersion at the edge or surface of the material. This Special Issue of the International Journal of Molecular Sciences focuses on “Topological Nanomaterials: Synthesis, Properties, Application”, and welcomes both original research articles and review papers that deal with the molecular mechanisms underlying “the synthesis of topological nanomaterials and nanodevices based on topological nanomaterials”. This Special Issue will be focused on the development of new synthetic methods and approaches, together with the preparation of molecular- or materials-based products that have practical value or that extend our conceptual understanding of chemical or material systems.

Guest Editor

Dr. Hyeuk Jin Han

Department of Environment & Energy Engineering, Sungshin Women's University, Seoul 01133, Republic of Korea

Deadline for manuscript submissions

closed (20 March 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/170732

*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)