

Special Issue

Nanotoxicology and Nanosafety 4.0

Message from the Guest Editor

With the rapid development of nanotechnology, nanomaterials have been widely applied in many industrial sectors, including medicine, consumer products, and electronics. While such technology has brought benefits and convenience to our daily lives, it may also threaten human health and environmental safety. In this Special Issue, we hope to bring together significant research that advances the knowledge base on the adverse effects and regulatory aspects of nanomaterials. In vitro, in vivo, and human studies that contribute to our understanding of human health and environmental impacts are welcome. Keywords

- molecular and cellular mechanisms of nanomaterial intoxication
- regulatory toxicology
- nanotoxicology
- nanosafety
- ecotoxicity of nanomaterials
- adverse effects of nanomaterials in zebrafish
- adverse effects of nanomaterials in *Drosophila*
- adverse effects of nanomaterials in *C. elegans*
- risk assessment of engineered nanomaterials
- risk management of engineered nanomaterials
- biological monitoring of engineered nanomaterials
- environmental monitoring of engineered nanomaterials

Guest Editor

Prof. Dr. Ying-Jan Wang

Department of Environmental and Occupational Health, National Cheng Kung University | NCKU, Tainan, Taiwan

Deadline for manuscript submissions

closed (10 June 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/123758

*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)