

Special Issue

Bio- and Nano-Materials and Their Interfaces

Message from the Guest Editors

This Special Issue entitled “Bio- and Nano-Materials and Their Interfaces” will cover various aspects of biomaterials, biological systems, nanoscale materials and structures, and their interfaces. In recent years, bio- and nano-materials and their interface have attracted intense research efforts from a wide range of areas such as material science, physics, mechanics and biomimetics and engineering. Inspired by the biological materials, responsive materials, artificial muscles, stretchable and integratable electronics and sensors with comprehensive properties and functions have been designed and realized through the assembly of nanotube, graphene and nanowires. In particular, this issue will discuss the design, fabrication, property characterization, and modeling of bio- and nanomaterials, as well as their applications in various fields, such as mechanical and biomedical engineering. Research and review articles focusing on the above-mentioned fields are welcome. **Keywords:**

- biological material
- biomimetics
- nanomaterial
- property characterization
- modeling

Guest Editors

Prof. Dr. Qinghua Qin

Professor and leader of Materials & Manufacturing, College of Engineering and Computer Science, Australian National University, Acton, ACT 2601, Australia

Dr. Jianshan Wang

Department of Mechanics, School of Mechanical Engineering, Tianjin University, Tianjin, China

Deadline for manuscript submissions

closed (30 April 2019)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/18176

*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)