

Special Issue

Polymeric Nano-Biomaterials for Medical Applications

Message from the Guest Editors

This Special Issue aims to focus on the current and future development of functional polymer nanomaterials for clinical transformation applications. Polymer nanomaterials are emerging nano-sized biomaterials with broad application potentials in medicine, due to features such as quantum size, surface and macroscopic quantum tunneling, which lead to good magnetic guidance targeting and biocompatibility. At present, nano polymers have been applied in immunoassays and interventional diagnosis and treatment and as carriers for the controlled release of drugs, growth factor and gene delivery. This issue will cover research on novel approaches for the development of advanced nano polymers and their specific applications in the field of biomedical science, such as drug/gene delivery, sensing, tissue engineering, etc. We would like to invite you to participate in the Special Issue “Polymeric Nano-Biomaterials for Medical Applications”. The article may be either original research or a review (mini reviews are excluded). If you decide to contribute, please let us know, and send us your manuscript before the deadline.

Guest Editors

Prof. Dr. Yulin Li

Engineering Research Centre for Biomedical Materials of Ministry of Education, Frontiers Science Center for Materiobiology and Dynamic Chemistry, East China University of Technology, Shanghai 200237, China

Dr. Jie Gao

Institute of Translational Medicine, Shanghai University, Shanghai 200444, China

Deadline for manuscript submissions

closed (15 March 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/103843

*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 10.0
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)* 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, and molecular biophysics. *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. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)