

## Special Issue

# Nanoparticle-Based Drug Targeting

### Message from the Guest Editor

During the last few decades, organic or inorganic nanoparticles have been extensively investigated in the field of biomedical engineering for drug targeting issues. Since nanoparticles have extremely small dimensions and huge surfaces, they are spotlighted in drug targeting issues, i.e., nanoparticles are able to target specific cells or tissues and, therefore, can be considered as a promising candidate to treat incurable diseases such as cancer, neurodegenerative disease and severe inflammation. Due to their huge surfaces, their surface can be decorated with various molecules for targeting specific receptors of diseased cells. Various strategies have been attempted to maximize drug targeting against diseased cells using monoclonal antibody–drug/nanomaterial conjugates, vitamin or peptides, enzymes, saccharide/polysaccharide–drug conjugates, stimuli-sensitive biopolymers, etc. Various materials such as inorganic molecules, polymers, proteins, polysaccharides, carbon-based nanomaterials and liposomes have been developed to fabricate nanoparticles and to achieve drug targeting purposes.

### Guest Editor

Dr. Young-IL Jeong

Department of Dental Materials, College of Dentistry, Chosun University, Gwangju 61452, Republic of Korea

### Deadline for manuscript submissions

closed (30 April 2024)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 8.1  
Indexed in PubMed



[mdpi.com/si/185902](https://mdpi.com/si/185902)

*International Journal of  
Molecular Sciences*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[ijms](https://www.mdpi.com/ijms)





# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 8.1  
Indexed in PubMed



[mdpi.com/journal/](https://mdpi.com/journal/ijms)

[ijms](https://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 (Inorganic Chemistry)