



## Latest Advances in Nanomedicine Strategies for Different Diseases

Guest Editors:

**Dr. Nagavendra Kommineni**

Center for Biomedical Research  
(CBR) Population Council, The  
Rockefeller University, New York,  
NY 10065, USA

**Dr. Veera Ganesh Yerra**

Department of Pharmacology  
and Systems Physiology,  
Cardiovascular Research Centre,  
University of Cincinnati, 231  
Albert Sabin Way, Cincinnati, OH  
45267, USA

Deadline for manuscript  
submissions:

**closed (18 August 2023)**

### Message from the Guest Editors

A nanomedicine platform not only provides new therapies but also improves the targetability of diseases. Several nanomedicines exist in the market, such as liposomes, lipid particles, dendrimers, polymeric nanoparticles, protein nanoparticles, etc. Nanocarriers help in delivering small molecules, proteins and peptides, and genes to the target site of action. Some COVID-19 vaccines also fall under the nanomedicine platform for delivering target-specific miRNA. Several research communities focus on therapeutic strategies using nanomedicine to manage cancer, diabetes, viral infections, HIV, HSV, and other rare diseases. The limitations of nanomedicine platforms such as the toxicity of some nanomedicines as well as the long-term complications need to be thoroughly investigated. Recent advances in this area of research have shown the potential application of nanodelivery systems in delivering a variety of biopharmaceuticals. In this Special Issue of IJMS, the focus will be on nanomedicine platforms for cancer, viral infections, diabetes, HIV, and other rare diseases with new treatment options.





an Open Access Journal by MDPI

## 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

## 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.

## 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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

## Contact Us

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI