



Nanoparticles Based on Smart Polymers for Biomedical Applications

Guest Editors:

Prof. Dr. Marcel Popa

“Cristofor Simionescu” Faculty of
Chemical Engineering and
Environment Protection,
“Gheorghe Asachi” Technical
University, Iasi, Romania

**Prof. Dr. Leonard-Ionut
Atanase**

1. Department of Biomaterials,
Faculty of Medical Dentistry,
“Apollonia” University of Iasi,
700511 Iasi, Romania
2. Academy of Romanian
Scientists, 050045 Bucharest,
Romania

Deadline for manuscript
submissions:

closed (30 June 2022)

Message from the Guest Editors

Dear Colleagues,

This Special Issue will focus on fundamental research with practical applications of drug delivery systems based on smart polymers in the field of nanomedicine. Within the wide variety of these systems, we are interested in the preparation and characterization of pH, thermo-, and/or light-sensitive natural and synthetic polymers. Different types of drug-loaded nanoparticles, such as micelles, nanocapsules, nanogels, polymersomes, and nanospheres, are of practical interest. Another domain of interest is that of nanoparticles, functionalized with specific ligands or loaded with magnetic nanoparticles, for active targeted drug delivery.

Prof. Dr. Leonard Atanase

Prof. Dr. Marcel Popa

Guest Editors





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

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI