



Advances in the Design of Hydrogels for Therapeutic Agent and Cell Delivery

Guest Editors:

Prof. Dr. Valeria Chiono

Dr. Jochen Salber

Dr. Alice Zoso

Dr. Irene Carmagnola

Deadline for manuscript
submissions:

closed (30 September 2023)

Message from the Guest Editors

We would like to invite you to contribute review and research papers to the Special Issue entitled “Advances in the Design of Hydrogels for Therapeutic Agent and Cell Delivery”.

In this Special Issue, we cover new advances in the design of hydrogels as drug delivery systems, focusing on the physical and chemical properties of the hydrogel network and hydrogel–drug interactions across the network, mesh and molecular scales.

We will also collate reviews or original research articles on the design of hydrogels as depots for the local release of oligonucleotide-loaded nanoparticles, in order to achieve their efficient and controlled local release; review or research articles on the design of hydrogels for the release of extracellular vesicles and their preclinical validation; other topics of interest include: the bioprinting or electrowriting of hydrogel scaffolds for drug release and stimuli-sensitive, drug-releasing hydrogels.

The final aim of this Special Issue is to provide readers with an overview of the most recent progress in drug-releasing hydrogels, and guidelines for a rational design of hydrogel delivery systems.





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, 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