

Special Issue

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

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.

Guest Editors

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Dr. Alice Zoso

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Deadline for manuscript submissions

closed (30 September 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/110158

*International Journal of
Molecular Sciences*
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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.

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