



Hydrogels in Pharmaceutical and Biomedical Applications

Guest Editor:

Prof. Dr. Thierry Vandamme

Laboratory for the Conception
and Application of Bioactive
Molecules, Faculty of Pharmacy,
University of Strasbourg, 67400
Illkirch-Graffenstaden, France

Deadline for manuscript
submissions:

closed (31 May 2023)

Message from the Guest Editor

The applications of hydrogels are growing, as is the interest they arouse. Their exceptional physicochemical characteristics allow them to be applied in pharmaceutical and biomedical settings, particularly in the administration of drugs (in micro- or nanospheres, or micro- or nanocapsules, using oral or transdermal dosage forms, treatment of cutaneous burns, contact lenses, etc.).

This Special Issue dedicated to hydrogels aims to take stock of the latest innovations in the field of hydrogels as well by their chemical aspects (polymerization, crosslinking, supramolecular state), physical (types of interactions, thermodynamics, particular viscosity, mechanics, amorphous structures or crystalline), by their biological applications such as their reactivity to environmental stimuli (pH, ionic strength, temperature, electromagnetic radiation) or their interest in the development of new drug delivery devices or medical devices.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Department of Pharmaceutics,
Ernest Mario School of
Pharmacy, Rutgers University,
Piscataway, NJ 08854, USA

Message from the Editor-in-Chief

Pharmaceutics (ISSN 1999-4923) is an online open access journal on the science and technology of pharmaceutics and biopharmaceutics. The scientific community, the wider community and the general public have unlimited and free access to the content as soon as a paper is published; this open access to your research ensures your findings are shared with the widest possible audience. Please consider publishing your impressive work in this high quality journal. We would be pleased to welcome you as one of our authors.

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, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Pharmacology & Pharmacy*) / CiteScore - Q1 (*Pharmaceutical Science*)

Contact Us

Pharmaceutics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/pharmaceutics
pharmaceutics@mdpi.com
X@MDPIpharma