

Special Issue

Hydrogels in Pharmaceutical and Biomedical Applications

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 as 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.

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)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/100311

Pharmaceutics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceutics@mdpi.com

[mdpi.com/journal/
pharmaceutics](https://mdpi.com/journal/pharmaceutics)





Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



[mdpi.com/journal/
pharmaceutics](https://mdpi.com/journal/pharmaceutics)



About the Journal

Message from the Editor-in-Chief

Pharmaceutics (ISSN 1999-4923) is an online open access journal on the science and technology of pharmaceuticals and biopharmaceuticals. 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.

Editor-in-Chief

Prof. Dr. Patrick J. Sinko
Department of Pharmaceutics, Ernest Mario School of Pharmacy,
Rutgers University, Piscataway, NJ 08854, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1
(Pharmaceutical Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 3.3 days (median values for papers published in this journal in the first half of 2025).