

Special Issue

Design, Development, and Application of Hydrogels for Cancer Treatment

Message from the Guest Editors

The role of hydrogels in cancer therapy is emerging in recent years, and huge efforts have been devoted to developing and producing even more innovative hydrogel formulations, mimicking as closely as possible the pathophysiological conditions occurring in native cancer before or after treatment with chemotherapeutics. Moreover, hydrogels are often used as drug delivery systems but are still characterized by low biocompatibility, poor therapeutic potential, and high immunogenicity. This Special Issue aims to collect contributions reporting on innovative approaches to design, produce, and characterize hydrogels as new potential therapeutics for cancer treatment. The issue will also be open to studies exploiting hydrogels as innovative models to deepen our understanding of cancer-related pathological and molecular mechanisms. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: biomaterials engineering, drug discovery, cancer treatment, polymer science, nanomaterials, and materials chemistry.

Guest Editors

Dr. Edoardo D'Angelo

Department of Surgery, Oncology and Gastroenterology, First Surgical Clinic, University of Padova, 35128 Padova, Italy

Dr. Daniele Boso

Veneto Institute of Oncology IOV - IRCCS via Gattamelata, 64 - 35128 Padova, Italy

Deadline for manuscript submissions

closed (31 October 2022)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/106244

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

Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, William Levine Hall, Room 225C, 160 Frelinghuysen Road, Piscataway, NJ 08854-8020, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPIus / 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 15.7 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).