

Special Issue

Hydrogels in Biomedical Applications

Message from the Guest Editors

For many years, hydrogels have been the cornerstone of countless biomedical research. Hydrogels consist of various tunable parameters, such as loading efficacy, stimuli responsiveness, hydrophobicity, and swelling properties, which make hydrogels typically applicable to most biomedical research. Today, there is a trend towards utilizing hydrogels as an interdisciplinary bridge across various biomedical fields including: pharmaceutical drug delivery, clinical therapies, surgeries, cosmetics, marketed products, and much more.

This Special Issue rides on this trend to highlight a myriad of novel hydrogels specifically tuned for biomedical applications. We invite both reviews and original articles that shed light on past challenges via the use of natural and/or synthetic hydrogels. Topics may include hydrogels as drug carriers, targeting moieties, regulatory platforms or enhancement of past therapies as well as tissue engineering and regenerative medicine. Any research that addresses our topic “Hydrogels for Biomedical Applications” is welcomed.

Guest Editors

Prof. Dr. Chun Gwon Park

Department of Biomedical Engineering, Sungkyunkwan University,
Suwon 16419, Korea

Prof. Dr. Jung Seung Lee

Department of Intelligent Precision Healthcare Convergence,
Sungkyunkwan University, Suwon 16419, Korea

Deadline for manuscript submissions

closed (15 August 2022)



Pharmaceuticals

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/87204

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

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





Pharmaceuticals

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*. *Pharmaceuticals* is characterized by an active editorial board and a dynamic editorial staff. Manuscripts are peer-reviewed and a final decision is provided to authors within 4–6 weeks after submission. Papers are published on the web immediately after acceptance. For details on the submission process or any other matter, please do not hesitate to contact us. We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Ciências, Universidade de Lisboa, Lisboa, Portugal

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 and Pharmacy) / CiteScore - Q1 (Pharmaceutical Science)