

## Special Issue

# Recent Advances in Pharmaceutical Applications of Functionalized Polysaccharides and Their Derivatives

### Message from the Guest Editors

Several polysaccharides, including chitosan and alginate, have been used for a diverse range of biomedical applications due to their advantageous characteristics, such as biocompatibility, biodegradability and low immunogenicity. Such uses include tissue-engineering scaffolds, pharmaceutical preparations, drug delivery, imaging and prosthetics. Furthermore, chemical modification of materials has led to new synthetic materials capable of enhancing the physical and chemical performance of their predecessors, for example, drug loading and uptake, as well as drug targeting and improved mechanical properties. For this Special Issue, we are inviting submissions exploring novel trends and evaluations of the use of modified and non-modified polysaccharides in biomedical applications. Contributions may focus on single polymers or co-polymers and integration of active pharmaceutical ingredients into hydrogels or polysaccharide nanocarriers. Potential topics of interest include, but are not limited to, the anti-microbial activity, wound management capabilities and anti-cancer activity of these hydrogels/nanocarriers. Original research manuscripts and literature reviews are both welcome.

---

### Guest Editors

Prof. Dr. Peter Foot  
Dr. Elena Polycarpou  
Dr. Federico Buonocore

---

### Deadline for manuscript submissions

closed (30 June 2023)



## Pharmaceutics

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.5  
CiteScore 10.0  
Indexed in PubMed



[mdpi.com/si/114032](https://mdpi.com/si/114032)

*Pharmaceutics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[pharmaceutics@mdpi.com](mailto: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).