



Editorial Board Members' Collection Series: Chitosan in Biomedicine: Current Status, Future Perspectives and Challenges

Guest Editors:

Prof. Dr. Carmen Remuñán-López

Nanobiofar Group (GI-1643),
Department of Pharmacology,
Pharmacy and Pharmaceutical
Technology, Faculty of
Pharmacy, University of Santiago
de Compostela-Campus Vida,
15782 Santiago de Compostela,
Spain

Prof. Dr. Maria Bonferoni

Department of Drug Sciences,
University of Pavia, Viale
Taramelli 12, 27100 Pavia, Italy

Deadline for manuscript
submissions:

30 September 2024

Message from the Guest Editors

Dear Colleagues,

In recent decades, chitosan biomaterial has gained extraordinary relevance in the biomedical field due to its unique biological properties. It is nontoxic, biodegradable, biocompatible, mucoadhesive and promotes mucosal drug absorption. In addition, it has antibacterial, antimicrobial, anti-inflammatory, antitumor, immunostimulatory and wound healing properties. For all these reasons, chitosan and its derivatives are having an enormous impact on the fields of drug delivery, gene therapy, vaccination, tissue engineering, regenerative medicine and wound dressing, among others.

This Special Issue focuses on the latest research advances on systems based on chitosan and its derivatives in biomedicine, including (but not limited to): (a) delivery of proteins, antibiotics, antigens and nucleic acids; (b) diagnosis and treatment of cancer (theranostics); and (c) applications in tissue engineering. The aim is to provide an updated status and perspectives on future research in the aforementioned topics and to emphasize the challenges for their translation to the clinic.

Original research articles and review manuscripts on the aforementioned topics are welcome.





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