

Special Issue

Functional Polymers as Innovative Tools in the Delivery of Antimicrobial Agents

Message from the Guest Editor

Many infectious diseases are induced by omnipresent microorganisms. Antimicrobial resistance, adverse effects, and the high cost of antimicrobials are crucial health challenges worldwide. One of the common efforts in addressing this issue lies in improving existing antimicrobial delivery systems. In this regard, biocompatible polymeric particles, entrapping these bioactive molecules, are capable of being released over a desired period of time, thereby decreasing the frequency of their administration. At the same time, these systems are able to protect antimicrobial drugs from degradation, enhancing their bioavailability. There are many forms of drug delivery systems based on physical interactions between the polymeric carrier and antimicrobial molecules, namely, nanoparticles and microparticles, capsules and fibres, tablets, hydrogels, etc. This Special Issue welcomes any topics regarding recent progress in the synthesis and characterization of innovative functional polymers suitable as carriers of antimicrobials, to be employed in the pharmaceutical and biomedical fields.

Guest Editor

Prof. Dr. Umile Gianfranco Spizzirri

Department of Pharmacy, Health and Nutritional Sciences, University of Calabria, Cosenza, Italy

Deadline for manuscript submissions

closed (30 November 2021)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 7.9
Indexed in PubMed



mdpi.com/si/35266

Pharmaceutics
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 4.9
CiteScore 7.9
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 3.4 days (median values for papers published in this journal in the first half of 2024).