



Functional Polymers as Innovative Tools in the Delivery of Antimicrobial Agents

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)

Message from the Guest Editor

Dear Colleagues,

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.

Dr. Umile Gianfranco Spizzirri
Guest Editor





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