Special Issue

Biodegradable Polymers for Pharmaceutical Applications

Message from the Guest Editor

Biodegradable polymers are degraded by hydrolysis and enzymatic reactions in the body, producing by-products of human physiologic metabolism that can be eliminated from the organism. Because of these features, biocompatible and biodegradable polymers have enormous potential for pharmaceutical applications. They can be natural, synthetic, and semisynthetic materials and can form coatings, hydrogels, films, fibers, and nano- and microparticles. These materials can be used as drug delivery systems, hemocompatible surface coatings, wound dressings, scaffolds, and antimicrobial materials. This Special Issue invites researchers to submit papers that concern biodegradable polymers and highlight recent progress and the current pharmaceutical landscape. The authors must focus on biodegradable polymers (natural, synthetic, and semisynthetic materials) and biodegradable polymer-based materials applied as drug delivery systems, scaffolds, antimicrobial, and hemocompatible materials for pharmaceutical applications.

Guest Editor

Prof. Dr. Alessandro F. Martins

Laboratory of Materials, Macromolecules and Composites (LaMMAC), Federal University of Technology, Apucarana, Brazil

Deadline for manuscript submissions

closed (28 February 2022)

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 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.

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 3.3 days (median values for papers published in this journal in the first half of 2025).

MDPI