



an Open Access Journal by MDPI

Porous Inorganic Drug Delivery Systems

Guest Editor:

Prof. Dr. Nikolaos Bouropoulos

Department of Materials
Science, University of Patras, GR
26504 Patras, Greece
Institute of Chemical
Engineering Sciences
(FORTH/ICE-HT), GR 26504
Patras, Greece

Deadline for manuscript submissions: closed (31 October 2018)

Message from the Guest Editor

In recent years, there has been considerable interest in the development of controlled drug delivery systems that are based on inorganic porous materials. In particular, mesoporous silica nanoparticles, zeolites mesoporous bioactive glasses, etc., have been used as promising carriers for drug delivery applications. According to IUPAC materials nomenclature. solid are classified as microporous (pore diameter less than 2 nm), mesoporous (pores are between 2 and 50 nm) and macroporous (pores greater than 50 nm). The main features of porous materials are the large surface area, their pore size and pore architecture, and their floating ability in biological media. Porous matrices can increase the solubility and bioavailability of poorly soluble drugs. Factors influencing the drug release mechanism include the pore size, interactions between the drug and the host network and stabilization of the amorphous drug phase. The aim of this Special Issue is to review the current research on inorganic materials as drug delivery systems.









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