

Special Issue

Mesoporous Silica-Based Materials in Drug Delivery and Controlled Release

Message from the Guest Editor

Porous silica materials and composites on their bases attract increasing interest as carriers in drug delivery systems due to their unique properties, such as high specific surface area, controllable porosity, easy-to-modify surface, low cytotoxicity, etc. These properties allow the loading of significant amounts of drugs and can solve problems related to low solubility by modifying drug release, resulting in bioavailability enhancement and greater treatment effectiveness. This Special Issue is focused on the design and development of novel drug delivery systems on the basis of porous silica or porous silica-containing materials, as well as the characterisation of their physico-chemical and biopharmaceutical properties. Studies on the synthesis of new porous silica materials as carriers in delivery systems, investigations of carrier–drug molecule interactions, and evaluations of the drug release rate and biocompatibility of the obtained systems are welcome to contribute to this SI.

Guest Editor

Dr. Ivalina Trendafilova

Institute of Organic Chemistry with Centre of Phytochemistry, Bulgarian Academy of Sciences, 1113 Sofia, Bulgaria

Deadline for manuscript submissions

closed (31 December 2024)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/183667

Pharmaceutics
Editorial Office
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 5.5
CiteScore 10.0
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

Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, William Levine Hall, Room 225C, 160 Frelinghuysen Road, Piscataway, NJ 08854-8020, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPIus / 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 15.7 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).