

Special Issue

Drug Delivery across Biological Barriers

Message from the Guest Editors

Assuring the efficient transport of therapeutics in the body represents the crucial problem during the construction of advanced drug delivery nanosystems. Recent advances in the development of biomaterials, have rendered a significant improvement of the currently proposed drug delivery strategies. Besides the increased bioavailability of pharmaceutical agents, targeting them directly to diseased sites, and controlling their circulation time and release rate, the problem of penetration across tissues and/or entry within cells seems to be important and needs to be solved. The design of strategies to control the transport of therapeutic compounds through such physiological barriers as mucosal, endothelial, blood–brain, cellular membrane and numerous other barriers has become an imperative and a challenging need to provide better therapy efficacy. This Special Issue will provide readers with an overview of the current advances in this field regarding delivery systems that facilitate the transport of drug-containing nanosystems at the tissue, cell, and subcellular levels.

Guest Editors

Prof. Dr. Tatiana B. Tennikova

Institute of Chemistry, Saint Petersburg State University, 199034 Saint Petersburg, Russia

Dr. Evgenia G. Korzhikova-Vlakh

1. Institute of Macromolecular Compounds, Russian Academy of Sciences, 199004 Saint-Petersburg, Russia

2. Institute of Chemistry, Saint-Petersburg State University, Universitetsky pr. 26, 198504 St. Petersburg, Russia

Deadline for manuscript submissions

closed (31 May 2022)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/25361

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).