

Special Issue

Polymer- and Lipid-Based Nanostructured Drug Delivery Systems for the Treatment of CNS Diseases: Recent Advances towards Clinical Application, 2nd Edition

Message from the Guest Editors

We are pleased to invite you to the Special Issue, which aims to serve as an overview of the current status, challenges, and recent advances in polymer- and lipidbased nanostructured formulations used for the treatment of neurological disorders. For this Special Issue, in particular, we call to researchers involved in brain targeting, overcoming the BBB both by invasive (e.g., brain implants, BBB transient opening etc.), and non-invasive methods (prodrugs, intranasal administration route (i.e., nose-to-brain delivery) etc.) using different materials such as polymers and lipids from natural and renewable resources to participate. These raw materials can be used as such or in physical mixtures to provide advanced nanostructured drug delivery systems (DDS), including polymeric nanoparticles, micelles, hydrogels, and lipid nanocarriers (liposomes, solid lipid nanoparticles and nanostructured lipid carriers). In this Special Issue, original research articles and reviews on the mentioned research areas are welcome, as well as scientific papers on the diagnostic applications of these nanosized DDS. We look forward to receiving your contributions

Guest Editors

Prof. Dr. Giuseppe Trapani

Department of Pharmacy-Drug Sciences, University of Bari "Aldo Moro", 70125 Bari, Italy

Dr. Massimo Conese

Department of Clinical and Experimental Medicine, University of Foggia, 71122 Foggia, Italy

Deadline for manuscript submissions

closed (31 May 2025)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/192331

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
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).