

Special Issue

Novel Formulations for Pediatric Infections

Message from the Guest Editors

Infectious diseases in the pediatric population present distinct clinical and pharmacological complexities due to age-dependent variations in immune function, organ maturity, and drug metabolism. Neonates and young children differ markedly from adults in their response to both pathogens and pharmacotherapy, necessitating age-specific dosing strategies and therapeutic monitoring. The rising prevalence of antimicrobial resistance further complicates treatment, driving the need for precise antibiotic stewardship tailored to developmental pharmacokinetics and pharmacodynamics. Current research is focused on optimizing pediatric-specific formulations, leveraging pharmacogenomics to predict drug response, and integrating rapid diagnostic tools that can support early, targeted intervention. As our understanding of the pediatric immune landscape evolves, so too must our approach to designing and delivering anti-infective therapies that are both safe and effective across all stages of childhood.

Guest Editors

Dr. Joana Valente

Prof. Dr. Zhixin Lei

Dr. Cristina Elena Singer

Dr. Renata Maria Văruț

Deadline for manuscript submissions

28 February 2026



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/251462

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).