

Special Issue

Emerging Strategies to Enhance Solubility of Poorly Soluble Drugs: From Nanosystems to Molecular Innovations

Message from the Guest Editor

The poor aqueous solubility of many APIs remains a major challenge in drug development, often restricting bioavailability and therapeutic effectiveness. This Special Issue will cover various innovative strategies developed over the past decade to improve the solubility and dissolution rate of poorly soluble drugs. New approaches include nanonization techniques such as those incorporating nanocrystals and solid lipid nanoparticles, the employment of amorphous solid dispersions, cyclodextrin complexation, co-crystallization, and the use of ionic liquids and deep eutectic solvents. Additionally, molecular-level innovations, including those in prodrug design and salt formation, will be discussed, alongside advances in formulation technologies such as 3D printing and hot-melt extrusion.

Guest Editor

Dr. Sateesh Kumar Vemula

Department of Pharmaceutics and Drug Delivery, School of Pharmacy,
The University of Mississippi, Oxford, MS 38677, USA

Deadline for manuscript submissions

30 September 2026



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/246159

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).