

Special Issue

Curcumin in Biomedical Applications, 2nd Edition

Message from the Guest Editors

Curcumin is used in various biomedical applications. Curcumin has antioxidant, antimicrobial, anti-inflammatory, and neuroprotective effects on human and animal health; it has several limitations, including poor water solubility and an unstable chemical structure, rapid metabolism but poor absorption in the body, as well as differing utilization and bioavailability depending on the species and sex of the organism. In this regard, curcumin in the form of a nanoparticle has been widely reported to enhance the bioavailability and solubility of lipophilic curcumin. In recent years, several studies have shown the beneficial effects of nanocurcumin over native curcumin in terms of quantity and efficacy. It is also important to know how effectively nanocurcumin can work in biological systems based on pharmacokinetic and pharmacodynamic tools. For this, different types of carrier vehicles, such as lipid nanoparticles and polymeric nanoparticles, can be used to increase the bioavailability of curcumin.

Guest Editors

Prof. Dr. Taesun Min

Dr. Adhimoolam Karthikeyan

Dr. Mohammad Moniruzzaman

Deadline for manuscript submissions

closed (31 July 2024)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/170666

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).