

Special Issue

Model-Informed Drug Discovery and Development

Message from the Guest Editor

The modeling and simulation (M&S) technology has been verified to be useful in a variety of academic and industrial fields. M&S has also expanded its application into the pharmaceutical industry since it began to be used during drug development and regulatory approval process as a method to overcome the low productivity of new drug development. Currently, the M&S approach is utilized in almost all stages of drug discovery and development and as a regulatory process and has evolved from the concept of “model-based” to “model-informed”. Overall, model-informed decision making is contributing to increasing success rates in drug development. This Special Issue aims to highlight the latest research activities using M&S from all the stages of drug discovery and development, which include PK/PD modeling, PBPK, pharmacometrics, systems pharmacology, etc. We invite researchers to submit original research articles and reviews in this field.

Guest Editor

Prof. Dr. Yu Chul Kim

Department of Pharmaceutical Engineering, Inje University, Gimhae 50834, Republic of Korea

Deadline for manuscript submissions

closed (20 April 2022)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/64247

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 pharmaceutics and biopharmaceutics. 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).