

Special Issue

Innovative Approaches in Skin Formulation Development and Characterization: Scientific Foundations for Regulatory Transformation

Message from the Guest Editors

In the era of generative artificial intelligence (AI), which was welcomed by certain drug regulatory agencies, it is reasonable to expect accelerated implementation of all research innovations. Ranging from innovative pharmaceutical formulations (often being nanostructured) to sophisticated physico-chemical, thermal, imaging, or analytical characterization techniques, even more conservative regulators could be convinced to implement certain changes in the existing guidelines and processes. Currently, a formulation's nano/microstructure can be fully characterized using a smart set of complementary techniques. However, availability and equivalence testing often rely on human volunteers and/or excised human skin. On one hand, studies with clinical endpoints are faced with well-known assessment challenges. On the other hand, excised human skin introduces a number of variabilities (loss of physiological functions; donor-, storage-, or handling-related artifacts; etc.). This Special Issue aims to encourage researchers to publish their findings in the field of topical and transdermal drug delivery systems. We look forward to receiving your contributions.

Guest Editors

Prof. Dr. Snezana Savic

Department of Pharmaceutical Technology and Cosmetology, Faculty of Pharmacy, University of Belgrade, Vojvode Stepe 450, 11221 Belgrade, Serbia

Dr. Ivana Pantelić

Department of Pharmaceutical Technology and Cosmetology, Faculty of Pharmacy, University of Belgrade, Vojvode Stepe 450, 11221 Belgrade, Serbia

Deadline for manuscript submissions

31 August 2026



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/245035

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).