

Special Issue

Bioavailability of Topically Applied Drugs

Message from the Guest Editors

One of the main requisites for successful topical therapy is to achieve an optimal drug concentration at the target site in order to minimize systemic side effects and to reduce the required dose to be applied. The improvement of the bioavailability of topically applied drugs represents a great challenge for researchers, as the different structures to be addressed (i.e., skin, eye, nail, buccal and vaginal mucosa) present anatomophysiological barriers and selective transport mechanisms. Different drug delivery strategies have been pursued in order to provide selective tissue permeation and distribution, such as the use of new functional materials, the development of nanotechnologies, and the synthesis of new conjugate molecules acting as polymeric pro-drugs. Moreover, the assessment of drug bioavailability with in vitro pharmacokinetic modeling is an important issue, even with the availability of suitable biological models and drug pharmacokinetic studies. For this Special Issue, we welcome original research or review articles dealing with formulation strategies to improve the bioavailability of topically applied drugs and in vitro/in vivo evaluation.

Guest Editors

Prof. Dr. Patrizia Chetoni

Department of Pharmacy, University of Pisa, 56126 Pisa, Italy

Dr. Silvia Tampucci

Department of Pharmacy, University of Pisa, 56126 Pisa, Italy

Deadline for manuscript submissions

closed (28 February 2021)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 7.9
Indexed in PubMed



mdpi.com/si/30561

Pharmaceutics
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 4.9
CiteScore 7.9
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 3.4 days (median values for papers published in this journal in the first half of 2024).