Special Issue

Mucoadhesive and Mucosal Drug Delivery Systems

Message from the Guest Editors

Mucosal drug delivery is designed to target drugs to mucosal membranes covering the respiratory tract, the eye, the female genital tract, and the gastrointestinal tract. Mucosal drug delivery is suitable for local drug administration to treat mucosal diseases as well as for systemic drug distribution. Mucoadhesion is one of the strategies of mucosal delivery to prolong system retention time at the site of application/absorption and provide a controlled rate of drug release. Moreover, other attempts have been made to optimize mucosal drug delivery, such as mucus-penetrating systems (for reducing mucus interaction), the employment of mucolytic agents (enabling alteration of the mucus structure) and, more recently, self-propagating drug delivery systems or multiple absorption strategies. The present Special Issue serves as an overview of current research on Mucoadhesive and Mucosal Drug Delivery Systems, as strategies and formulative approaches to obtain the prolonged residential time at the site of application/absorption, the overcoming mucus barrier, and the enhanced mucosal delivery or permeation of drugs.

Guest Editors

Prof. Dr. Elisabetta Gavini
Department of Chemistry and Pharmacy, University of Sassari, via Muroni 23/a, 07100 Sassari, Italy

Dr. Giovanna Rassu
Department of Chemistry and Pharmacy, University of Sassari, via Muroni 23/a, 07100 Sassari, Italy

Deadline for manuscript submissions

closed (31 December 2021)

Pharmaceutics

an Open Access Journal by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed

mdpi.com/si/29269

Pharmaceutics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceutics@mdpi.com

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

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
Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, William Levine Hall, Room 225C, 160 Frelinghuysen Road, Piscataway, New Jersey 08854-8020, 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).

MDPI