Special Issue

Novel Technologies for Buccal and Transdermal Drug Delivery

Message from the Guest Editors

The discovery of new drug candidates with poor water solubility as well as a strong first-pass effect present ongoing challenges regarding their translation into potential medical therapies. In light of this, researchers are focusing their efforts on finding alternative technologies and delivery systems to improve the solubilization and bioavailability of these drugs. In particular, interest has been focused on the use of electrohydrodynamic processing for the generation of drug delivery platforms to enhance drug permeability and solubility. This technique can be used to generate the solid dispersions of an API within a polymer matrix, generating solid pharmaceutical formulations that can adhere to the mucosa membrane. Moreover, the resultant fibrous materials have a high specific area, tunable pore size and controlled mechanical properties, making them attractive in drug delivery applications. This Special Issue is focused on highlighting the current trends and perspectives of buccal and transdermal delivery systems prepared by emerging technologies, such as electrohydrodynamic processing, among others. We look forward to receiving your contributions.

Guest Editors

Dr. Cristina Prieto

Novel Materials and Nanotechnology Group, Institute of Agrochemistry and Food Technology (IATA), Spanish Council for Scientific Research (CSIC), Calle Catedrático Agustín Escardino Benlloch 7, Paterna, 46980 Valencia, Spain

Dr. Maria Pardo-Figuerez

Novel Materials and Nanotechnology Group, Institute of Agrochemistry and Food Technology (IATA), Spanish Council for Scientific Research (CSIC), Calle Catedrático Agustín Escardino Benlloch 7, Paterna, 46980 Valencia, Spain

Deadline for manuscript submissions

closed (20 July 2024)

Pharmaceutics

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 7.9
Indexed in PubMed

mdpi.com/si/140840

Pharmaceutics
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 4.9
CiteScore 7.9
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
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 15.5 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2024).