



Research on the Prediction and Optimization of the Solubility and Permeability of Biopharmaceuticals

Guest Editors:

Prof. Dr. Marta González-Álvarez

Department of Engineering and Pharmaceutical Technology,
Faculty of Pharmacy, Miguel Hernandez University, 03550 Alicante, Spain

Prof. Dr. Isabel Gonzalez-Alvarez

Pharmacokinetics and Pharmaceutical Technology Area, Miguel Hernandez University, San Juan de Alicante, 03550 Alicante, Spain

Dr. Alejandro Ruiz-Picazo

Department of Engineering and Pharmaceutical Technology, Faculty of Pharmacy, Miguel Hernandez University, 03550 Alicante, Spain

Message from the Guest Editors

The Biopharmaceutical Classification System (BCS) is widely used by both regulatory agencies and the pharmaceutical industry. This classification considers the solubility and permeability of drugs. The development of in vitro biopredictive methods for estimating the solubility and permeability of pharmaceutical formulations is a topic of general interest, particularly in recent years. The formulation of pharmacological molecules in conjunction with solubility enhancers and intestinal permeability enhancers is common practice today. These methods are especially useful for the optimization of these formulations before advancing to later stages of the drug development process. This can help provide patients with safer, effective, and high-quality medication in less time and at a lower cost.

In this Special Issue, we aim to highlight recent advances in drug formulation development and biopredictive tools to analyze liberation and absorption processes. We welcome original research and review articles highlighting the latest advances in dissolution and permeability tests.

Deadline for manuscript submissions:

20 November 2024



mdpi.com/si/169179

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Department of Pharmaceutics,
Ernest Mario School of
Pharmacy, Rutgers University,
Piscataway, NJ 08854, USA

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Pharmacology & Pharmacy*) / CiteScore - Q1 (*Pharmaceutical Science*)

Contact Us

Pharmaceutics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/pharmaceutics
pharmaceutics@mdpi.com
X@MDPIpharma