

Special Issue

Potential of Nano/Microemulsions for Drugs and Phytochemicals Delivery

Message from the Guest Editors

Nanoemulsions consist of nanoscale oil/water dispersions stabilized by an appropriate surfactant system in which the drug is incorporated into the oil core and/or adsorbed at the interface. They emerged from the parenteral emulsions due to their biocompatibility, stability, ability to reduce the toxicity of cytotoxic drugs, and ability to protect drugs from degradation.

Nanoemulsions can be prepared by simple and easy to scale up techniques that allow solubilizing high quantities of hydrophobic compounds. With specific excipients, such as surfactants and polymers, physicochemical properties are improved providing gains in mucoadhesiveness, permeability, and interaction with biological membranes. In this context, the advantages of these relatively simple colloidal systems have expanded their use from the parenteral to other administration routes, such as oral, transdermal, ocular, and nasal. Taking into consideration the advantages of nanoemulsions, for this Special Issue, original research and review articles addressing recent advances of nanoemulsions formulations for drugs and phytochemicals delivery by different routes of administration are welcomed.

Guest Editors

Prof. Dr. Letícia Scherer Koester

Pharmaceutical Sciences Graduate Program, Universidade Federal do Rio Grande do Sul, Porto Alegre 90610-000, Brazil

Dr. Helder Teixeira

Faculty of Pharmacy, Universidade Federal do Rio Grande do Sul, Porto Alegre 90610-000, RS, Brazil

Deadline for manuscript submissions

closed (30 April 2023)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/116665

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).