

Special Issue

Microfluidics from Engineering to Applied Biology and Advanced Nanomedicine

Message from the Guest Editors

Microfluidics is an exciting research area that can revolutionize the pharmaceutical industry. New strategies can be applied to produce different pharmaceuticals, especially the ones in the nanotechnology field. New in vitro models can be implemented, mimicking the complex cell hierarchy presented in natural tissues, allowing the investigation of different diseases and their treatment. In addition, microfluidic systems can be developed for fast drug screening, accelerating the discovery of new drugs. These features are only possible since microtechniques were developed and allowed researchers to produce microdevices easily. However, new technologies are still being investigated to reduce costs and enable fast and reproductive industrial production. This Special Issue focuses on the recent developments in microfluidics, from microchip technical development to advanced applications in the field of nanomedicine and the organ on a chip.

Guest Editors

Prof. Dr. Lucimara Gaziola de la Torre

Department of Material and Bioprocess Engineering, School of Chemical Engineering, University of Campinas (UNICAMP), Campinas 13083-970, Brazil

Dr. Ana Leticia Rodrigues Costa

Institute of Exact and Technological Sciences, Campus Florestal, Federal University of Viçosa (UFV), Florestal 35690-000, Brazil

Deadline for manuscript submissions

closed (30 June 2023)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/141975

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).