

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 Materials and Bioprocesses Engineering, School of Chemical Engineering, University of Campinas, 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

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Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Prof. Dr. Patrick J. Sinko
Department of Pharmaceutics, Ernest Mario School of Pharmacy,
Rutgers University, Piscataway, NJ 08854, USA

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