



Microfluids in Microchannels

Guest Editor:

Dr. Artur Bilsky

Institute of Thermophysics
Siberian Branch, Russian
Academy of Sciences, Lavrentiev
Ave 1, 630090 Novosibirsk, Russia

Deadline for manuscript
submissions:

closed (30 September 2021)

Message from the Guest Editor

Dear Colleagues,

Over the last several decades, microchannel technologies are actively being developed and applied in many industrial sectors, as well as in numerous media-covered fields like biology, medicine, chemical and process engineering, transports, environmental sciences, microelectronics and so on. Microchannels provide high heat and mass transfer rates and enable fast, continuous and safe chemical reactions, reducing material and energy consumption compared to conventional batch systems. Despite a lot of results and achievements in this strongly multi-disciplinary area, further extensive studying is needed. Accordingly, this Special Issue seeks to showcase research papers and review articles that focus on fundamental and applied research of single and two-phase flows in microchannels.

Dr. Artur Bilsky
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Ai-Qun Liu

1. Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China
2. School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore 639798, Singapore

Message from the Editor-in-Chief

You are invited to contribute research articles or comprehensive reviews for consideration and publication in *Micromachines* (ISSN 2072-666X). *Micromachines* is published in the open access format. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Micromachines* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We are pleased to welcome you as 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, Ei Compendex, dblp, and other databases.

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Mechanical Engineering*)

Contact Us

Micromachines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/micromachines
micromachines@mdpi.com
[X@micromach_mdpi](https://twitter.com/micromach_mdpi)