Special Issue

Membranes in Microfluidics

Message from the Guest Editor

The use of membranes in microfluidics has been widely researched due to its significant applications and potential expandability. Generally, membranes are defined as a porous, semi-permeable barrier to control transport of some kind of species, and thus they allow us to pioneer a versatile use in different microfluidic applications. Especially, it has been possible to find new chemical/biological reactions and transport phenomena, which had never been observed before, adjacent to the membrane interfaces in microfluidic platforms only. In this special issue, we are going to seek to highlight recent research, integrating membrane functionality in microfluidic on-chip applications. In addition, we look forward to receive research papers, reviews, and communications related to a variety of applications of integrated membranes in chemical and bioengineering.

Guest Editor

Dr. Bumjoo Kim

Department of Mechanical and Automotive Engineering, Kongju National University, Cheonan 31080, Republic of Korea

Deadline for manuscript submissions

closed (31 January 2023)

Micromachines

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed

mdpi.com/si/119136

Micromachines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
micromachines@mdpi.com

mdpi.com/journal/micromachines

Micromachines

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed

mdpi.com/journal/micromachines

MDPI

About the Journal

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.

Editor-in-Chief

Prof. Dr. Ai-Qun Liu
Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, dblp, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Mechanical Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.2 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).