

Special Issue

Microfluidics for Healthcare Based Applications

Message from the Guest Editor

Microfluidic platforms have performed important roles in healthcare applications because they have the capability of manipulating small amounts of fluids. Biofluids such as blood, urine, tear, sweat, and saliva are performing a crucial role to support human health and contain various important biomarkers. Also, mammalian cells in the microscale are basic building blocks of the human body. And, the human body is living with various kinds of microorganism which are also on the microscale. Controlling the biofluids and cells in a precise way allows microfluidics to take an important role in healthcare. Accordingly, this Special Issue is looking for research papers, short communications, and review articles that use microfluidics for the in vitro diagnostics, point of care testing, wearable sensors, implantable device, organ on a chip and biosystems.

Guest Editor

Dr. Jungil Choi

School of Mechanical Engineering Kookmin University, Seoul 02707, Korea

Deadline for manuscript submissions

closed (15 July 2020)



Micromachines

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/36139

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

[mdpi.com/journal/
micromachines](https://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](https://mdpi.com/journal/micromachines)



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

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

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).