



micromachines



an Open Access Journal by MDPI

Microfluidics-Based Point-of-Care Diagnostics

Guest Editor:

Prof. Dong-Ku Kang

Department of Chemistry,
Incheon National University 119
Academy-ro, Yeonsu-gu, Incheon,
Korea

Deadline for manuscript
submissions:

closed (31 March 2020)

Message from the Guest Editor

Microfluidics has been increasingly used as a platform for technology in various research purposes across different scientific fields, because of its advantages. One of the important advantages of microfluidics is that it allows for the precise manipulation of a lower volume of samples, such as dilution, mixing, chemical reaction, and partitioning, within microfabricated channels. Eventually, microfluidic technologies allow for the use and analysis of lower volumes of samples for rapid and sensitive detection. Accordingly, it has become a key platform technology for point-of-care (POC) diagnostics, because of its various advantages, including feasibility and portability. POC diagnostics have the potential to improve health care in various ways, ranging from enabling the earlier detection of disease and easier monitoring, to reaching under-served and remote populations. This is why POC diagnostics and microfluidics have merged rapidly, and have had a great impact on the rapid development of POC diagnostic technology.



mdpi.com/si/27668

Special Issue



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 (Instruments and Instrumentation) / CiteScore - Q1 (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://x.com/micromach_mdpi)