

# Special Issue

## 3D Biomedical Microdevices

### Message from the Guest Editor

In this Special Issue, we invite manuscripts conducting interdisciplinary research from areas of diverse expertise that can promote the further development of biomedical microdevices. Contributions related (but not limited) to 3D printing and bioprinting production of artificial tissue, organ models, and implantable devices, as well as building lab-on-a-chip for drug testing, smart prosthetics, and human-machine interfaces are welcome. Efforts to build advanced fabrication technologies, including the development of stimulus materials, self-folding approaches, biomimetic and bioinspired designs, microfluidic devices for medical diagnosis, and drug delivery capsules are also desirable. Finally, advanced studies on the development of biomaterials and devices for biosensing, bioelectronics, bioimaging, and nanomedicine are highly encouraged for submission. Authors are also welcome to submit review articles to summarize state-of-the-art technologies and to propose future research directions.

---

### Guest Editor

Prof. Dr. Daeha Joung

Department of Physics, VCU Massey Cancer Center, Virginia Commonwealth University, Richmond, VA 23284, USA

---

### Deadline for manuscript submissions

closed (30 April 2022)



## Micromachines

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/si/58789](https://mdpi.com/si/58789)

*Micromachines*

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

[micromachines@mdpi.com](mailto:micromachines@mdpi.com)

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





# Micromachines

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 5.2  
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 (Physics, Applied) / CiteScore - Q2 (Mechanical Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.2 days after submission; acceptance to publication is undertaken in 1.8 days (median values for papers published in this journal in the second half of 2024).