Special Issue

Wearable Bioelectronics: Technology, Challenges and Applications

Message from the Guest Editor

Wearable bioelectronics is the study of integrating form-factor technologies in electronics with biomedical applications. Wearable bioelectronics technologies include flexible electronics, stretchable electronics, fabric-based electronics, and transparent electronics, etc. By using these various form-factor technologies, it can be extended to attachable/implantable biomedical applications, as well as wearable health care monitoring sensors, wearable electroceuticals, and optogenetics that could not be solved with conventional bioelectronics technology.

- Two-dimensional and Organic Materials for Flexible & Stretchable Electronics;
- Flexible and WearableBio Sensor (Pulse Oximeter, etc.);
- Attachable/Implatnable Bioelectronic Devices (Optogenetics, etc.);
- Flexible and Stretchable Optoelectronic Devices (OLED, QLED, etc.);
- Element technology for flexible, stretchable, and transparent (electrode, encapsulation, etc.).

Guest Editor

Dr. Yongmin Jeon
Department of Biomedical Engineering, Gachon University, Seongnam 13120, Republic of Korea

Deadline for manuscript submissions

closed (30 May 2023)

Micromachines

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed

mdpi.com/si/123779

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

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).

MDPI