

Special Issue

Bioelectronics and Its Limitless Possibilities

Message from the Guest Editor

Bioelectronics has been developed for numerous applications, including wearable and implantable biomedical devices for biomedicine and healthcare. Through the design and implementation of advanced devices and materials that can interface directly with biological tissues, bioelectronics is pushing beyond the boundaries of traditional medicine and biotechnology. The possibilities for future bioelectronics are limitless. From wireless sensors that continuously monitor and manage internal and external diseases, to neural interfaces that restore lost sensory functions or augment human cognition, bioelectronics holds the promise of more personalized, precise, and proactive healthcare. As the technology advances—propelled by breakthroughs in nanotechnology, AI-driven data analysis, wireless communication, and new biocompatible materials—these innovations will not only unlock new research topics but also significantly advance interdisciplinary collaboration between engineers and scientists from different areas.

Guest Editor

Dr. Tianyu Yang

School for Engineering of Matter, Transport and Energy, Arizona State University, Tempe, AZ 85287, USA

Deadline for manuscript submissions

closed (30 April 2026)



Micromachines

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/226711

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.

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 16.8 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2025).