

Special Issue

Microfluidic Systems for Sustainable Energy

Message from the Guest Editor

We are pleased to invite you to submit a manuscript to a Special Issue of *Micromachines* entitled “Magnetically Driven Microfluidics”. This Special Issue aims to explore innovative research and developments related to microfluidics and sustainable energy systems. By leveraging magnetic forces, microfluidic devices can revolutionize energy generation, storage, and distribution through the precise control and manipulation of fluids at the micro- and nano-scale. This Special Issue encourages the submission of original works that highlight fundamental advancements, novel materials, device architectures, and the practical application of magnetically driven microfluidic systems in global energy challenges. Interdisciplinary research that combines microfluidics with materials science, nanotechnology, and energy engineering is highly encouraged. I look forward to receiving your contributions.

Guest Editor

Prof. Dr. Yan Hom Li

Department of Mechanical and Aerospace Engineering, Chung-Cheng Institute of Technology, National Defense University, Taoyuan 335, Taiwan

Deadline for manuscript submissions

31 March 2026



Micromachines

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/229631

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

Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China

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).