

# Special Issue

## Micro/Nanofluids in Magnetic/Electric Fields

### Message from the Guest Editor

Certainly, the inspiration of mixing solid nanoparticles within conventional fluids is an innovative idea that has established a new field of research with applications from heat transfer to bioengineering. In general, nanofluids are utilized in a plethora of areas such as nuclear reactors, microelectromechanical systems, heat exchangers, energy storage systems, wastewater decontamination and drug delivery, to mention but a few. In some of these cases, externally imposed electric and magnetic fields are applied to promote or delay motion and stability, to increase diffusion, to control chemical reactions and heat transfer, etc. This Special Issue of *Micromachines* is dedicated to recent advances in micro/nanofluids physics and technology under magnetic/electric fields.

---

### Guest Editor

Prof. Dr. Ioannis Sarris

Department of Mechanical Engineering, University of West Attica,  
Athens 12241, Greece

---

### Deadline for manuscript submissions

closed (31 January 2023)



## Micromachines

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.0  
Indexed in PubMed



[mdpi.com/si/100430](https://mdpi.com/si/100430)

*Micromachines*  
Editorial Office  
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 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).