Special Issue

MEMS Actuators and Their Applications

Message from the Guest Editor

The aim of this Special Issue is to provide a forum for colleagues to publish recent research results related to the frontiers of MEMS actuators and their applications. These include topics such as the following:

- Fundamental advances in microactuator technologies.
- Material used for microactuation.
- Innovative microactuation methods and advances in current actuation methods.
- Advances in process and fabrication technologies for microactuators.
- Simulation and modeling of microactuators.
- Control issues and mechatronics in microactuators.
- Smart circuits for microactuators.
- Advances in optical, chemical, and biomicroactuators.
- Advancements and novel methods in the characterization, calibration, and testing of microactuators.
- Innovative instrumentation for the characterization, calibration, and testing of microactuators.
- Improvements in the repeatability, reliability, and lifetime of microactuators.
- New applications of microactuators.
- Any other topics related to microactuators.

Guest Editor

Prof. Nicholas Sammut

Department of Microelectronics and Nanoelectronics, Faculty of Information and Communications Technology, University of Malta, MSD 2080 Msida, Malta

Deadline for manuscript submissions

30 November 2025

Micromachines

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed

mdpi.com/si/173259

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