Special Issue

Emerging Smart Materials for Microelectromechanical Systems

Message from the Guest Editor

The development of functional and multifunctional materials for the application of microelectromechanical systems (MEMS) is needed to enhance performance and create new transduction mechanisms for sensors and actuators. Enhancing material properties and developing methods of integrating and fabricating materials is the cornerstone to developing new MEMS devices. Accordingly, this Special Issue seeks to showcase research papers, short communications, and review articles that focus on the development of emerging functional and multifunctional materials for MEMS devices. This includes, but is not limited to, the development of new materials, enhancing material properties, developing new transduction mechanisms for materials, the integration of materials, new deposition techniques, or increasing manufacturing compatibility with MEMS. The Special Issue is interested in all types of functional materials, including 2D and thin films.

Guest Editor

Dr. Nathan Jackson
Nanoscience and Microsystems Engineering and Mechanical Engineering, University of New Mexico, Albuquerque, NM 87106, USA

Deadline for manuscript submissions

closed (30 June 2024)

Micromachines

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed

mdpi.com/si/192337

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. Nam-Trung Nguyen
Queensland Quantum and Advanced Technologies Research Institute, Griffith University, West Creek Road, Nathan, QLD 4111, Australia

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).

MDPI