Special Issue

Novel Electromagnetic and Acoustic Devices

Message from the Guest Editors

Electromagnetic and acoustic devices with higher-order flexibility are continually promising and urgently required for energy transmission manipulation. With the rapid development of material innovations and performance advancements, more sophisticated electromagnetic and acoustic devices with novel characteristics have attracted broad research attention due to their profound applications in radar communications, broadcasting, and telecommunications. Great efforts have been made in electromagnetic wave transmission, reflection, absorption, shielding, and invisible cloaking for electromagnetic devices. Multiple scenes with severe circumstances have encouraged the promotion of acoustic devices with outstanding tunable functions. Based on physical field theory, various synthesis mechanism have led to the multifunctional field effects of novel electromagnetic and acoustic devices. This Special Issue aims to give an outlook on what the future might hold for novel electromagnetic and acoustic devices.

Guest Editors

Dr. Bin Zheng

College of Information Science and Electronic Engineering, Zhejiang University, Hangzhou 310027, China

Dr. Rui Xi

Hangzhou Institute of Technology, Xidian University, Hangzhou 311200, China

Deadline for manuscript submissions

closed (30 November 2025)

Micromachines

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed

mdpi.com/si/214923

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