



micromachines



an Open Access Journal by MDPI

MEMS Magnetic Devices and Applications

Guest Editors:

Dr. Xuecheng Sun

School of Mechatronic
Engineering and Automation,
Shanghai University, Shanghai
200444, China

Dr. Lizhu Ren

Department of Electrical and
Computer Engineering, National
University of Singapore,
Singapore 117576, Singapore

Deadline for manuscript
submissions:

31 October 2024

Message from the Guest Editors

With the development of microelectronics technology, people have developed micro magnetic devices in various aspects such as actuators, sensors, and energy harvesters by using micro-nano processing technology, and these have been widely used in scientific research production and various aspects of society.

To promote the development of MEMS magnetic devices and strengthen academic communication and innovations, we are launching this Special Issue titled "MEMS Magnetic Devices and Applications", which will focus on new magnetic devices, such as actuators, sensors, and energy harvesters and their design, simulation, and fabrication, the micro/nano fabrication of magnetic materials including metals, organic compounds, alloys, 2D materials, and any materials used in magnetic sensors, as well as the application of MEMS magnetic devices, such as nano magnetic robot, current detecting, navigation, bio-detecting, microinductance, nondestructive testing, micro energy harvester, etc. We hope that this Special Issue will play a beneficial role in promoting the future research of MEMS magnetic devices and applications.



mdpi.com/si/199180

Special Issue



Editor-in-Chief

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

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, dblp, and other databases.

Journal Rank: JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q2 (*Mechanical Engineering*)

Contact Us

Micromachines Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/micromachines
micromachines@mdpi.com
[X@micromach_mdpi](https://x.com/micromach_mdpi)