

## Special Issue

# Ultra Precision Technologies for Micromachining

### Message from the Guest Editors

Micromachining is a group of advanced technologies that enables microcomponents and/or microstructures to be fabricated with at least one dimension lying in the microscale. It has long been recognized as a powerful tool for high-value manufacturing and has been widely applied across different industrial sectors.

Ultraprecision technologies, which are the main thrust of this step-change. They bring significant advantages to micromachining from the aspects of high accuracy and resolution, high complexity, high throughput, low lead time, low investment cost, etc. In this Special Issue, we seek papers in all kinds of ultraprecision technologies with a clear contribution to the advancement of micromachining. Micromachining technologies include but are not limited to mechanical-based technologies such as diamond turning, precision grinding; chemical based technologies such as photolithography, reactive ion etching; physical based technologies such as laser, ion beam, electrical discharge machining; and their hybrids. Original research papers, review articles, and short communications are all welcome.

---

### Guest Editors

Prof. Dr. Jining Sun

Prof. Dr. Yukui Cai

Prof. Dr. Xichun Luo

---

### Deadline for manuscript submissions

closed (30 June 2020)



## Micromachines

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.0  
Indexed in PubMed



[mdpi.com/si/33310](https://mdpi.com/si/33310)

*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.

---

### 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).