

Special Issue

Precision Optical Manufacturing and Processing

Message from the Guest Editors

Precision optical elements have always been essential to strategic fields such as aerospace, defense, medical equipment, and electronics. In recent years, the development of those fields has created new requirements for optical manufacturing technology, which mainly focus on higher precision, efficiency, complexity, and intelligence. Therefore, developing new advanced micro/nanoscale machining technologies, state-of-the-art processing techniques, and corresponding equipment and establishing theoretical systems for better understanding and application of the process are of great significance. Accordingly, this Special Issue seeks to showcase research papers, short communications, and review articles that focus on, but are not limited to, the recent advances and frontiers of the following areas:

- Precision engineering, inspection, measurement, and metrology;
- Manufacturing planning, optimization, and simulation;
- Computer-integrated manufacturing systems;
- Smart manufacturing;
- Micro/nanofabrication and manufacturing;
- Ultraprecision machining technology.

We look forward to receiving your contributions.

Guest Editors

Dr. Zhongchen Cao

Prof. Dr. Lingbao Kong

Dr. Dongxu Wu

Deadline for manuscript submissions

closed (30 July 2025)



Micromachines

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/200540

Micromachines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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).