



Precision Optical Manufacturing and Processing

Guest Editors:

Dr. Zhongchen Cao

School of Mechanical
Engineering, Tianjin University,
Tianjin 300072, China

Prof. Dr. Lingbao Kong

Department of Optical Science
and Engineering, Fudan
University, Shanghai 200438,
China

Dr. Dongxu Wu

Xi'an Jiaotong University-
GENERTEC Joint Research
Institute, Xi'an, China

Deadline for manuscript
submissions:

30 November 2024

Message from the Guest Editors

Dear Colleagues,

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:

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

We look forward to receiving your contributions.





an Open Access Journal by MDPI

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)