Special Issue

Emerging Micro Manufacturing Technologies and Applications

Message from the Guest Editor

Research in academia has focused on the experimental investigation of micro machining processes such as micro milling, micro turning, and micro grinding. In addition, numerical and finite element models have been developed to predict the performance of micromachined parts. Over the last few years, a series of manufacturing processes have emerged in the macro manufacturing sector that have shown great potential in the improvement of said processes; however, their use in the micro scale has not been thoroughly modeled and understood. Therefore, we invite contributions to showcase recent advances in novel and emerging manufacturing technologies and applications on the micro scale. Papers in all areas of micromachining technologies will be considered, including, but not limited to, micro-cutting, micro-milling, micro-grinding, polishing, laser micromachining, simulation and modeling in the micro scale, and hybrid micromachining. Original research papers and review articles are all welcome.

Guest Editor

Dr. Nikolaos Tapoglou

Department of Industrial Engineering and Management, School of Engineering, Sindos Campus, International Hellenic University, 57400 Thessaloniki, Greece

Deadline for manuscript submissions

closed (31 May 2022)



Micromachines

an Open Access Journal by MDPI

Impact Factor 3.0 CiteScore 6.0 Indexed in PubMed



mdpi.com/si/71123

Micromachines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
micromachines@mdpi.com

mdpi.com/journal/ micromachines





an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed



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

Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China

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).

