

Special Issue

Recent Advances in 3D Printing and Additive Manufacturing

Message from the Guest Editors

In recent decades, 3D printing and additive manufacturing have emerged as a cost-effective and on-demand manufacturing technology for materials ranging from polymers to metals and alloys as well as ceramics. The ability to design and manufacture virtually any complex shape using a wide range of materials allows this technology to be adopted in research and production across a wide range of biomedical, organ printing, tissue engineering, aerospace, and automobile applications. 3D printing and additive manufacturing are key enabling technologies to increase the accuracy of product development and integrate different scales of manufacturing in mass production. These technologies hold an important role in the future of aerospace, automobiles, and healthcare. This Special Issue seeks research papers and review articles that focus on 3D printing and additive manufacturing, including novel processes, optimization, and applications of polymers, metals and alloys, ceramics, etc.

Guest Editors

Dr. Pankaj Kumar

Department of Mechanical Engineering, The University of New Mexico, MSC01 1150, Albuquerque, NM 87131, USA

Dr. Leslie T. Mushongera

Department of Chemical & Materials Engineering, College of Engineering, University of Nevada, Reno, NV 89557, USA

Deadline for manuscript submissions

closed (10 October 2022)



Micromachines

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/117958

Micromachines
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 5.2
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 (Physics, Applied) / CiteScore - Q2 (Mechanical Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.7 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2024).