



Recent Advances in 3D Printing and Additive Manufacturing

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)

Message from the Guest Editors

Dear Colleagues,

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.

Dr. Pankaj Kumar

Dr. Leslie T. Mushongera

Guest Editors





an Open Access Journal by MDPI

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

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 (Instruments and Instrumentation) / CiteScore - Q1 (Mechanical Engineering)

Contact Us

Micromachines Editorial Office
MDPI, Grosspeteranlage 5
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)