

Special Issue

Advanced Micro/Nano Manufacturing Technologies for Biomedical Microsystems

Message from the Guest Editor

The focus of this Special Issue will be on advancements in micro/nanomanufacturing technologies for biomedical micro-systems. Topics will include fundamental materials science, traditional manufacturing processes such as photolithography, emerging micro-additive/hybrid technologies such as multimaterial 3D printing, MEMS and NEMS applications, miniaturized robotic systems, and nanomaterials for biosensing. Application areas cover microfluidic/lab-on-a-chip systems for areas such as diagnostics; miniaturized drug delivery systems such as microneedles; materials for neural prosthetics, implants, and scaffolds; and minimally invasive surgical applications and tissue engineering.

Guest Editor

Dr. Colin Dalton

Electrical and Software Engineering Department, University of Calgary, Calgary, AB T2N 1N4, Canada

Deadline for manuscript submissions

closed (30 April 2023)



Micromachines

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/114560

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.

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 16.8 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2025).