Special Issue

Advances in 3D Printing for Micro- and Nanoscale Biomedical Applications

Message from the Guest Editors

The rapid evolution of 3D printing technologies is unlocking new possibilities at the micro- and nanoscale in many areas of science and engineering. This Special Issue of Micromachines focuses on the expanding frontiers of 3D printing in biomedical and biological engineering, with particular emphasis on microsized medical devices, diagnostics, analytical systems, drug delivery systems, and related applications in biology and physics. With fabrication techniques becoming more precise and materials more versatile, 3D printing now offers unprecedented control over complex geometries and functional architectures at the microscale—enabling innovation in tissue engineering, minimally invasive therapeutics, lab-on-a-chip systems, and personalized medicine.

We welcome original research articles and reviews. Submissions may cover novel printing strategies, biocompatible materials, hybrid fabrication techniques, and the integration of 3D printing with sensing, actuation, or bio-interfacing components, providing a platform for interdisciplinary insights that will shape the next generation of additive manufacturing technologies.

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Deadline for manuscript submissions

31 March 2026

Micromachines

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0
Indexed in PubMed

mdpi.com/si/242872

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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.

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