



Biofabrication and 3D Bioprinting

Guest Editor:

Dr. Pedro Costa
BIOFABICS, Rua Alfredo Allen 455,
4200-135 Porto, Portugal

Deadline for manuscript
submissions:

closed (28 February 2021)

Message from the Guest Editor

Automation and digitalization are completely revolutionizing manufacturing. Biofabrication perfectly embodies this revolution in the sense that it relies on highly automated tools, such as 3D bioprinting and bioreactors, in order to generate complex biological-based constructs. As these technologies evolve, we are witnessing substantial improvements in terms of speed and resolution, which in turn result in greater process efficiency and repeatability, as well as in lower production costs. Biofabricated constructs are also becoming increasingly detailed, being able to more closely mimic the extreme complexity found in biological processes and structures. Upon translation to the market, these advancements promise to radically change many important industries, namely within the health, food, and textile sectors.

This Special Issue seeks to showcase research papers, short communications, and review articles that focus on novel developments related with biofabrication and its use for various biomedicine- and biotechnology-based applications.

We look forward to receiving your submissions.





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 (*Physics, Applied*) / CiteScore - Q2 (*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://twitter.com/micromach_mdpi)