micromachines

IMPACT FACTOR 3.0

Indexed in: PubMed

CITESCORE 5.2

an Open Access Journal by MDPI

3D Printed Microfluidic Devices and Its Applications

Guest Editor:

Prof. Rosanne M. Guijt
Centre for Regional and Rural Futures, Deakin University, Geelong, VIC, Australia

Deadline for manuscript submissions:
closed (31 July 2019)

Message from the Guest Editor

In recent years, 3D printing has developed rapidly, driven by the exponential growth in consumer demand for cost-effective, customised manufacturing options. Consumers can access 3D printing using online 3D printing services and the rapid rise in high quality consumer-grade 3D printers. 3D printing has also been adopted in scientific research for the manufacturing of customised parts and as an alternative microfabrication approach. The focus of this Special Issue is on insights and advancements of 3D printing in microfabrication, with a focus on the developments that have allowed for the fabrication of micro-and millifluidic devices to replace processes ordinarily executed on the laboratory bench. Of special interest are devices that show advanced functionality through the use of 3D design and/or material science, and advances that improved biocompatibility. In addition to the dissemination of technological breakthroughs of original work in the form of short communications and full papers, emerging investigators and pioneers are also invited to contribute commentaries, perspectives and insightful reviews on related topics.

micromachines

IMPACT FACTOR 3.0 | Indexed in: PubMed | CITESCORE 5.2

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