Special Issue

3D Printing for Biomedical Applications

Message from the Guest Editor

Recently, 3D printer technology has gained enormous attention as a preferred application in many sectors, especially for use in biomedical applications. This technology has been applied in several biomedical fields, including patient-specific implants, complex-shaped organ printing, tissue engineering, disease models for better understanding via modeling and imaging, drug development, and the delivery and printing of surgical devices. Bio 3D printing permits cells, biomaterials, and bioactive molecules to be placed in a precise manner to create a complex 3D tissue structure for biological and clinical applications. Although 3D printing technology has gained much attention for biomedical applications, there are still various significant engineering challenges to overcome. Therefore, we would like to welcome any original research articles contributing to the development of bioink, innovative cutting-edge 3D printing technologies, and their diverse application in biomedical fields. We would also like to invite review articles from global experts working in this area, particularly on the latest technological advances on the use 3D printing in biomedical applications.

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Deadline for manuscript submissions

closed (31 January 2023)

Biomedicines

an Open Access Journal by MDPI

Impact Factor 3.9
CiteScore 6.8
Indexed in PubMed

mdpi.com/si/116500

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to Biomedicines, be it original research, review articles, or developing Special Issues of current key topics.

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