

Special Issue

Trends in 3D Printing Processes for Biomedical Field: Opportunities and Challenges (2nd Edition)

Message from the Guest Editor

The field of three-dimensional bioprinting has evolved impressively in the past few years. In fact, this field is considered the latest technology that creates breakthrough innovations and addresses complex medical problems. In this Special Issue, we will highlight the most recent advances in the 3D bioprinting and advanced fabrication of biomaterials for medical and biological applications. Topics will include, but are not limited to, the following:

- Development and optimization of 3D bioprinting techniques;
- Latest improvements in functional biomaterials for 3D bioprinting processes;
- Novel fabrication techniques based on mechanical, acoustic, light, magnetic, electrical and other driving mechanisms;
- Bio-inks and hydrogels for the engineering of 3D cellular microenvironment;
- Biomaterial inks for the fabrication of bio-functional scaffolds and substrates;
- Novel 3D/4D bioprinting techniques and technologies for the fabrication of high-quality bio-based products
- Three-dimensional bioprinting and fabrication for tissue engineering, disease modeling, drug delivery, drug testing and other biological applications.

Guest Editor

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Deadline for manuscript submissions

31 March 2025



Biomedicines

an Open Access Journal
by MDPI

Impact Factor 3.9
CiteScore 5.2
Indexed in PubMed



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About the Journal

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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