Special Issue

3D Bioprinting for Tissue Engineering and Regenerative Medicine

Message from the Guest Editors

This Special Issue on “3D Bioprinting for Tissue Engineering and Regenerative Medicine” will explore advancements, challenges, and applications of 3D bioprinting for the creation of functional, complex tissue constructs for diagnostic and therapeutic applications. This Special Issue aims to serve as a comprehensive resource on the latest methodologies and innovations within bioprinting, focusing on scaffold design, biomaterial selection, cellular interaction, tissue formation, process improvement, and post-printing maturation techniques. The goal is to bridge the gap between laboratory research and clinical application, showcasing how 3D bioprinting could revolutionize regenerative medicine through the production of viable tissue substitutes.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2026)

Journal of Functional Biomaterials

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 6.8
Indexed in PubMed

mdpi.com/si/228078

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Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials* (*JFB*) is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

Editor-in-Chief

Prof. Dr. Pankaj Vadgama
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