

Special Issue

Advances in Tissue Engineering and Next-Generation Biomaterials: From Techniques to Emerging Applications

Message from the Guest Editors

This upcoming Special Issue of *Bioengineering* is inspired by the Workshop on Additive Biofabrication (WAB 2026), which will be held in Spain. The issue will feature contributions at the intersection of tissue engineering, regenerative medicine, and bioengineering, highlighting innovative strategies for repairing, replacing, or regenerating damaged tissues and organs. Topics of interest include advances in biomaterials, biofabrication and bioprinting approaches, cell-based therapies, organ-on-chip models, and functional in vitro systems, as well as translational aspects such as preclinical evaluation, clinical applications, and regulatory considerations.

By bringing together contributions from multiple disciplines, this Special Issue aims to showcase cutting-edge developments and promote collaboration across the biomedical engineering community, ultimately advancing the frontiers of tissue engineering and regenerative medicine.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in 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 and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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