

Special Issue

Stem Cell Engineering and Tissue Regeneration

Message from the Guest Editors

This Special Issue focuses on the latest advances in stem cells and tissue engineering, highlighting their role in regenerative medicine. We welcome original research, reviews, and short communications on key innovations and clinical applications. Topics of interest include:

- **Stem cell research:** pluripotent, mesenchymal, and reprogrammed stem cells; organoids; and genetic engineering.
- **Tissue engineering:** bioengineered tissues, 3D printing, nanomaterials, and hybrid constructs.
- **Biomaterials and delivery systems:** smart scaffolds, hydrogels, and controlled release systems.
- **Clinical translation:** preclinical/clinical studies, vascularization, immune response, and commercialization.
- **Mechanistic insights:** cell–matrix interactions, omics, and computational modeling.

This issue aims to showcase interdisciplinary research that bridges biology, engineering, and clinical practice, accelerating innovative solutions for tissue regeneration.

Guest Editors

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Deadline for manuscript submissions

closed (1 November 2025)



Bioengineering

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.3
Indexed in PubMed



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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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