

Special Issue

3D Bioprinting for Personalized Medicine

Message from the Guest Editors

3D bioprinting enables rapid customization of personalized devices, drugs and applications, achieving the ability to restore the tissue functionality.

This special issue aims to collect research articles related to the 3D printing of: biosensors capable to collect data and support the big-data chain; drug delivery devices to test pharmacological therapy; bio-composite materials to enable tissue regeneration and, scalable in-vivo validation methods on biosynthetic models supporting 3Rs by using 3D bioprinting.

The goal is to support bioengineers, biologists and innovation managers in the development of future industry 5.0 and digital libraries related to bionic and biosynthetic design, at the basis of artificial intelligences adoption within hospitals and healthcare systems.

Guest Editors

Prof. Dr. Ruben Foresti

Prof. Dr. Maddalena Botti

Prof. Dr. Fabio Leonardi

Dr. Pasquale D'Angelo

Dr. Roberto Sala

Deadline for manuscript submissions

closed (31 December 2023)



Bioengineering

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.3
Indexed in PubMed



mdpi.com/si/146539

Bioengineering
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
bioengineering@mdpi.com

[mdpi.com/journal/
bioengineering](https://mdpi.com/journal/bioengineering)





Bioengineering

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.3
Indexed in PubMed



[mdpi.com/journal/
bioengineering](https://mdpi.com/journal/bioengineering)



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

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical Engineering, Texas A&M University, College Station, TX 77843, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPIus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Biomedical) Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.2 days after submission; acceptance to publication is undertaken in 3.3 days (median values for papers published in this journal in the first half of 2025).

Recognition of Reviewers:

reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.