

Special Issue

Design and Applications of 3D Bioprinting

Message from the Guest Editors

This Special Issue is dedicated to the rapidly evolving field of 3D bioprinting—a multidisciplinary domain that is reshaping the future of biomedical science and engineering. It aims to spotlight the latest innovations in the design and implementation of bioprinting technologies, with a focus on how these advances are being translated into practical applications. This Special Issue aims to illustrate the novel bioprinting strategies, the development of functional bioinks, and the integration of bioprinted constructs into research settings. Topics may include, but are not limited to, scaffold fabrication, tissue and organ modeling, regenerative therapies, and personalized healthcare solutions. We look forward to receiving your contributions.

Guest Editors

Dr. Saman Naghieh

Department of Mechanical Engineering, Division of Biomedical Engineering, University of Saskatchewan, Saskatoon, SK, Canada

Prof. Dr. Chaozong Liu

UCL Institute of Orthopaedic & Musculoskeletal Science, University College London, Bloomsbury, London WC1E 6BT, UK

Deadline for manuscript submissions

31 July 2026



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/249223

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

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





Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



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



About the Journal

Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

Author Benefits

Open Access

– free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

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

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Biochemistry)