



3D Printing of Bioactive Structures for Engineering Artificial Tissues

Guest Editor:

Dr. Mehdi Mehrli

Department of Mechanical
Engineering, Technical University
of Denmark, 2800 Kgs. Lyngby,
Denmark

Deadline for manuscript
submissions:

closed (1 January 2022)

Message from the Guest Editor

Dear Colleagues,

Tissue and organ printing are essential pieces in a larger scale biological puzzle that could be the key to the realization of a fully functional yet artificial body. At their core, tissue and organ printing technologies involve additive robotic biofabrication of functional three-dimensional tissue and organ constructs, in a layer-by-layer manner. Hence, in this Special Issue, we are inviting research (full papers, communications, and review articles) covering advances and novel methodologies in bioprinting of tissues and organs, including: 3D printing of biopolymeric/bioceramic/biocomposite scaffolds, the correlation between printing parameters and subsequent properties of the scaffolds, corresponding cell studies on the mentioned scaffolds, and lastly novel 3D printing technologies for fabrication of scaffolds with intricate structures.

Dr. Mehdi Mehrli

Guest Editor





an Open Access Journal by MDPI

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

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.

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, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Biochemistry*)

Contact Us

Biomolecules Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biomolecules
biomolecules@mdpi.com
[X@Biomol_MDPI](https://twitter.com/Biomol_MDPI)