

Special Issue

Extracellular Matrix-Based Bioinks for 3D Bioprinting Applications

Message from the Guest Editor

We are organizing a Special Issue on the topic of “Extracellular Matrix-Based Bioinks for 3D Bioprinting Applications”, and as , I am pleased to invite you to submit research article or review article within this area. The field of 3D bioprinting is rapidly growing, and a major research focus over the past several years has been the development of bioinks with appropriate physical and biological properties. To highlight these technologies, this issue aims to present a collection of articles describing some of the most recent advances in bioink design, synthesis, and application, focusing primarily on materials derived from native ECM or natural biopolymers. The scope includes both fundamental biomaterial science and development, as well as applications of ECM bioinks for tissue modelling and regenerative medicine. We particularly welcome articles on molecular engineering of biomaterials, blended or composite materials, and stimuli-responsive/smart biomaterials. Given your expertise within this field, your contribution would be greatly appreciated and help make this an outstanding and timely Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2022)



Biomolecules

an Open Access Journal
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Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/84009

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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.

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