biomimetics

an Open Access Journal by MDPI

IMPACT FACTOR 3.4

Indexed in: PubMed

CITESCORE 3.5

Application of 3D Bioprinting in Biomedical Engineering

Guest Editors:

Prof. Dr. Jinku Kim
Department of Biological and Chemical Engineering, Hongik University, 2639 Sejong-ro, Jochiwon-eup, Sejong 339-701, Republic of Korea

Dr. Prosenjit Saha
Centre for Interdisciplinary Sciences, JIS Institute of Advanced Studies and Research (JISIASR) Kolkata, JIS University, GP Block, Salt Lake, Sector-5, Kolkata 700091, West Bengal, India

Deadline for manuscript submissions:
closed (25 November 2023)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to explore the advancements and applications of 3D bioprinting technology in biomedical engineering. Three-dimensional printing, also known as additive manufacturing, has revolutionized the way in which medical devices, implants, tissue scaffolds, and customized prosthetics are designed and manufactured. The collection of papers in this issue will cover a wide range of topics, including the development of bioinks and biocompatible materials for 3D printing, tissue engineering and regenerative medicine applications, drug delivery systems, and personalized medical devices. By bringing together expert contributions in the field, this Special Issue seeks to present the advantages, limitations, and latest insights into 3D bioprinting in biomedical applications.

Prof. Dr. Jinku Kim
Dr. Prosenjit Saha
Guest Editors