Special Issue

3D Biofabrication of Scaffolds for Tissue Regeneration Applications

Message from the Guest Editor

This Special Issue of *Materials*, "3D Biofabrication of Scaffolds for Tissue Regeneration Applications", will be focused on recent advances in 3D printing technologies emerging as a powerful tool in regenerative medicine, with potential applications in tissue engineering, drug discovery, and disease modeling. This issue aims to cover technologies that develop tissue and organ replacement strategies to provide a valid alternative to current existing treatments, such as organ transplants. 3D Biofabrication is a new field within materials science, engineering and biotechnology, which can potentially build a complex viable 3D engineered tissue. The objective of this issue is to gather the latest achievements from the field of tissue engineering in regard to 3D printing technologies, cell sources and bio-ink formulations for bioprinting, computational modeling for 3D printing, and applications of 3D printing in in vitro disease modeling. We here invite you to submit your research related to the subject of this issue.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2020)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/39825

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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