



3D Bioprinted Scaffolds for Tissue Engineering

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Message from the Guest Editors

In recent decades, advances in 3D bioprinting have shown promising innovations in the biofabrication of complex structures. Three-dimensional bioprinting combines the use of a device called a bioprinter with bioinks which can be formulated from living cells, biomaterials, and biologically active molecules. The main objective of this technology is to create functional constructs that can replace, preserve, or improve damaged tissues or organs. Three-dimensional bioprinting of scaffolds and constructs with biological, mechanical, and structural characteristics similar to native tissue or organ is currently one of the major challenges in this area.

This Special Issue aims to cover different aspects involved in the 3D bioprinting of artificial tissues and organs for biomedical applications and will include articles focused on the use of novel biomaterials for the bioprinting, design, and formulation of bionks, bioprinting and characterization of scaffolds and constructs, as well as the latest advances in research and clinic.





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