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Advances in 3D Printing and Biomaterials in Tissue Engineering

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Message from the Guest Editor

Tissue engineering is a cutting-edge field of biomedical research that has shown great promise in overcoming the challenges of organ shortages and degenerative diseases. Central to its success are the remarkable strides made in 3D printing technology and antecedent biomaterial fabrications. The convergence of these two has propelled tissue engineering and regenerative medicine to new heights.

The aim of this Special Issue is to present a comprehensive collection of cutting-edge research, innovative techniques, and insightful studies that highlight the significant progress made in the field of 3D printing and biomaterial fabrications. The scope of the Issue includes but is not limited to advances in 3D printing technology and methodologies, novel biomaterials and their synthesis for 3D printing applications, bioprinting and tissue engineering using 3D printing techniques, 3D-printed medical devices and implants, 3D printing in drug delivery systems and pharmaceutical research, biofabrication and organ-on-a-chip technologies, biocompatibility and bio-functionalities assessment of biomaterials for tissue regeneration and wound healing.



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Message from the Editor-in-Chief

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