



Biofabrication for Tissue Engineering Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The concept of regenerating tissues, with properties and functions that mimic natural tissues, has attracted significant attention in recent years, as it provides potential solutions for many disease treatments and demanding healthcare problems. To fully realize the potential of the approach, it is crucial to have a rational biomaterial design and subsequent fabrication to create novel scaffolds and material systems and devices suitable for tissue engineering, repair, and regeneration. As a consequence of the intense research activity in the field, a variety of 3D and 4D biofabrication approaches has been developed, including soft lithography and self-assembly, as well as subtractive (top-down), additive (bottom-up) and hybrid manufacturing.

This Special Issue on “Biofabrication for Tissue Engineering” welcomes original research and review articles in this rapidly growing field that are related to the development of biomaterial scaffolds, biomedical devices and organ-on-a-chip systems for tissue engineering applications.

Dr. Emmanuel Stratakis
Guest Editor





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