

Special Issue

Biofabrication for Tissue Engineering Applications

Message from the Guest Editor

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.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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