



Polymers for Tissue Engineering and Biofabrication

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Deadline for manuscript
submissions:

closed (15 June 2023)

Message from the Guest Editors

Although tissue transplantation is readily available in many countries, the supply of tissue suitable for transplantation worldwide has never matched demand. Precision and personalized medicine is necessary for the treatment of highly prevalent tissue injuries, helping overcome the limitations of traditional medicine, generating biomimetic products that can help heal otherwise difficult-to-treat injuries. The feasibility of generating organized 3D tissue constructs combining cells and biomaterials has been demonstrated using a variety of biofabricated technologies. Biomaterials that can replicate the mechanical and biological properties of the target tissue are an essential component for the viable development of biofabricated technologies.

The aim of this Special Issue is to highlight the emerging research that is leading the way for the further development of useful materials for tissue engineering, tissue repair and regeneration. Additionally, special attention will be given to scaffold designs, fabrication methods such as 3D printing, and material–cell interactions, which are of great relevance to the structure and functionality of engineered tissue.





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Message from the Editor-in-Chief

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