



Biomolecules and Biomaterials for Tissue Engineering

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Message from the Guest Editor

Tracing back to its roots in the 1990s, tissue engineering has had a transformative trajectory in fields such as regenerative medicine, drug testing, and disease modeling. At the heart of this evolution are biomolecules and biomaterials, intricate components that steer cellular behavior and subsequently enable the fabrication of functional, biomimetic tissues. This Special Issue underscores the crucial need for a more profound understanding of biomolecules and biomaterials and their diverse roles within tissue engineering. Our focus encompasses the development of novel biomolecules and biomaterials; their applications, including bioprinting; and the innovative strategies involved in their modification. These key topics will be complemented by studies featuring cutting-edge tools and techniques facilitating such progress. Through this exploration, our Special Issue aims to offer deep insights into the significance of biomolecules and biomaterials, highlighting their role as critical catalysts driving progress in tissue engineering. We warmly invite your valuable contributions—original research or reviews—that will enrich this vital discourse.





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Message from the Editorial Board

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