

Special Issue

Advanced Biomaterials for Cardiovascular Tissue Engineering Applications

Message from the Guest Editor

This special issue focuses on the development of advanced biomaterials, as well as their incorporation with cutting edge biofabrication techniques to engineer novel cardiovascular tissue constructs. In particular, emphasis is being added on the use of smart biomaterials to recapitulate the biochemical, mechanical, electrical, and architectural properties of cardiovascular tissues for tissue engineering applications. The Special Issue is open for paper addressing:

- Smart and multifunctional biomaterials for cardiovascular tissue engineering
- Injectable biomaterials for cell and drug delivery
- Electroconductive biomaterials for cardiovascular tissue engineering
- In vitro mechanical and electrical stimulation for cardiovascular tissue maturation
- Microfabrication approaches for engineering functional cardiovascular tissues
- 3D printing of cardiac tissue constructs

Guest Editor

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Editor-in-Chief

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