

Special Issue

Gels for Cardiac Tissue Regeneration

Message from the Guest Editor

This Special Issue focuses on the development of advanced hydrogels, 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 hydrogels to recapitulate the biochemical, mechanical, electrical, and architectural properties of cardiovascular tissues for different biomedical applications. Keywords

- Cardiovascular tissue engineering
- Hydrogel
- Biomaterials
- Microfabrication
- In vivo models
- Regenerative medicine

Guest Editor

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About the Journal

Message from the Editorial Board

Gels (ISSN 2310-2861) is recently established international, open access journal on physical and chemical gel-based materials. The journal aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. General topics include but not limited to synthesis, characterization and applications of new organogels, hydrogels and ionic gels made either from low molecular weight compounds or polymers, composite and hybrid materials where a metal is by some means incorporated into the gel network, and computational studies of these materials in order to provide a better understanding of gelation mechanism. We cordially invite you to consider publishing with us and contribute with your own grain of sand to the advance in this fascinating field.

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