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Novel Hybrid Hydrogels for Bone Tissue Engineering Applications

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Deadline for manuscript
submissions:

closed (10 April 2023)

Message from the Guest Editor

This Special Issue focuses on various aspects of novel hybrid hydrogels, including material synthesis, design process of new compositions, fabrication methods, and biological responses in vitro and in vivo for bone tissue regeneration. It is our pleasure to invite you to submit a manuscript, including original research and review articles on (but not limited to) the following potential themes:

1. Biomaterials and nanomaterials for hybrid hydrogels
2. Design process of hybrid hydrogels for bone tissue regeneration
3. Preparation of polymer/hydroxyapatite-based hybrid hydrogels
4. Preparation of polymer/bioceramic-based hybrid hydrogels
5. Preparation of polymer/bioactive glass-based hybrid hydrogels
6. Injectable hybrid hydrogels
7. Bioresponsive hybrid hydrogels
8. Self-assembled hybrid hydrogels
9. Self-healing hybrid hydrogels
10. Antimicrobial/antibacterial hybrid hydrogels
11. Additive manufacturing of hybrid hydrogels
12. 3D printing/bioprinting and hybrid hydrogels



mdpi.com/si/64454



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Message from the Editor-in-Chief

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