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Novel Hybrid Hydrogels for Bone Tissue Engineering Applications

Guest Editor:

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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





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Message from the Editor-in-Chief

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