

## Special Issue

# Novel Hybrid Hydrogels for Bone Tissue Engineering Applications

### 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:

- Biomaterials and nanomaterials for hybrid hydrogels
- Design process of hybrid hydrogels for bone tissue regeneration
- Preparation of polymer/hydroxyapatite-based hybrid hydrogels
- Preparation of polymer/bioceramic-based hybrid hydrogels
- Preparation of polymer/bioactive glass-based hybrid hydrogels
- Injectable hybrid hydrogels
- Bioresponsive hybrid hydrogels
- Self-assembled hybrid hydrogels
- Self-healing hybrid hydrogels
- Antimicrobial/antibacterial hybrid hydrogels
- Additive manufacturing of hybrid hydrogels
- 3D printing/bioprinting and hybrid hydrogels

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### Guest Editor

Dr. Anuj Kumar

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### Deadline for manuscript submissions

closed (10 April 2023)



## Materials

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### Message from the Editorial Board

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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