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Bioceramics and Related Hybrid Materials for Tissue Reconstruction

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Message from the Guest Editor

Dear Colleagues,

Bioceramics have been clinically used for repairing hard tissues such as bone, teeth, and joints because they have a high biocompatibility to bond to bone. Hybridization, such as bioceramic coating on metal implants for artificial joints to impart osteoconduction and the improvement of mechanical properties by bioceramics-polymer hybrids is also extensively promoted. In the future, we expect that bioceramics and hybrid materials with a highly hierarchical structure through biomimetic processes that mimics the process of tissue formation in the living body, and novel biological functions including as antibacterial properties and sensing/imaging properties will be developed. In this Special Issue, we are looking for papers on the latest achievements in bioceramics and related hybrid materials.



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Special Issue



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Message from the Editor-in-Chief

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