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Bioceramic Composites for Biomedical Applications

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Message from the Guest Editors

Bioceramic composites have been receiving increased attention, given the attained relevant performance of these biomaterials in distinct technological and human health-related applications. In spite of the recent and significant advances in this field, many challenges still exist.

In this context, this Special Issue is aimed at showcasing the most recent and innovative advances of biomedical applications of bioceramic composites. Topics of significant interest include but are not limited to:

- Composite tissue engineering constructs, with bioceramics, for enhanced tissue regeneration;
- Smart bioceramic composites for drug/growth factors release;
- Ceramic-loaded composite structures for hard tissue-related applications;
- Ceramic-containing composites for dental applications—processing, physicochemical, and biomechanical properties;
- Composite coatings and films, with a bioceramic component, for biomedical applications;
- Innovative processing routes (e.g., 3D printing and bio-manufacturing) of bioceramic-based composites;
- Development and validation of standard practices for testing and development of bioceramic-containing biomedical composites.



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Message from the Editor-in-Chief

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