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Hybrid and Composite Biomaterials for Healthcare: Toward Innovative Approaches

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Message from the Guest Editors

Biomedical applications require scaffolds to support cell colonization and allow tissue repair in bone regeneration, wound healing, and 3D cell culture development. These scaffolds must be biocompatible, mechanically suitable, have a proper surface state, be biodegradable, and exhibit bioactive features. Composite and hybrid systems that combine different components can lead to synergistic effects and enhanced properties for implantable medical devices or in vitro supports. Novel strategies are being developed towards more efficient and less invasive approaches for tomorrow's medicine.

This Special Issue aims to gather, in a single open-access Special Issue, the latest innovative approaches regarding 2D or 3D hybrid or composite biomaterials, possibly associated with ionic or molecular active agents, where the intrinsic characteristics of each component bring specific added-value features in view of improved biological response.

Considering your expertise in the domain, it is our pleasure to invite you to contribute to this Special Issue. Reviews, full papers, and short communications would be greatly appreciated.



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Special Issue



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Message from the Editor-in-Chief

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