

Special Issue

The Properties and Applications of Advanced Functional Biocomposites

Message from the Guest Editors

The Special Issue focuses on the progress and innovation achieved in the field of advanced biocomposite materials. Its objective is to showcase both fundamental and applied research that deepens our understanding of how design, processing, and characterization influence material properties and performance. Particular emphasis will be placed on sustainable and bio-based composites, nanocomposites, hybrid configurations, and bioactive systems with biomedical relevance. We particularly welcome contributions presenting novel manufacturing strategies, computational and simulation studies, and applications of composites in lightweight structures, energy technologies, and multifunctional devices. By bringing together cutting-edge interdisciplinary work, this Special Issue will stimulate scientific exchange and support the transfer of emerging composite concepts into practical technological and societal advancements. In particular, priority is given to bioactive composites with applications in the dental field, where innovative materials play a crucial role in restorative treatments and tissue regeneration. We look forward to receiving your contributions.

Guest Editors

Dr. María Melo

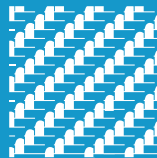
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Editor-in-Chief

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