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Advanced Polymeric Bio-Composites for Musculoskeletal Regeneration

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Message from the Guest Editors

Tissue engineering has significantly contributed to the development of new therapeutic strategies for the treatment of musculoskeletal disorders. Cells, scaffolds, and growth factors are considered the key components of tissue regeneration platforms. Scaffolds, typically made of polymeric biomaterials.Biocomposites are designed by adding nano/bio fillers or combining several polymers, resulting in enhanced mechanical properties, biocompatibility, and regeneration efficiency. In addition, a well-designed biocomposite can mimic the extracellular matrix environment, guiding the regeneration process to achieve the best outcome. This Special Issue aims to present a collection of original research papers and state-of-the-art reviews that focus on polymeric bio-composites for bone, cartilage, and muscle tissue engineering applications.

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.9.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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