

Special Issue

Novel Biomaterial Design and Strategies for Musculoskeletal Tissue Engineering

Message from the Guest Editors

This Special Issue of *Bioengineering*, entitled “Novel Biomaterial Design and Strategies for Musculoskeletal Tissue Engineering”, will therefore focus on original research papers and comprehensive reviews that deal with cutting-edge discoveries or methodologies for material design, development, and corresponding treatment strategies for improvements in musculoskeletal tissue engineering. Topics of interest for this Special Issue include, but are not limited to, the following:

- The design and synthesis of novel biomaterials for musculoskeletal tissue regeneration;
- Novel biomaterials for musculoskeletal replacement or transplantation;
- Biomaterials for stem cell therapy in musculoskeletal disorders;
- Fabrication strategies for novel biomaterials;
- Investigations of biomaterials on their mechanical properties and functions for orthopaedic purposes;
- Large, clinic-relevant animal studies on the functions of biomaterials for musculoskeletal purposes;

All research areas will be considered relevant as long as experimentations are the main study drivers.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

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Editor-in-Chief

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