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Biomaterials for Musculoskeletal Tissue Engineering and Regenerative Medicine

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Deadline for manuscript submissions:

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Message from the Guest Editors

Dear Colleagues,

Regeneration of large craniofacial and orthopedic musculoskeletal defects associated with trauma, infection, neoplasia and congenital conditions remains a clinical challenge for oral, maxillofacial and orthopedic surgeons. In recent years, remarkable scientific advances have been made in the development of novel biomaterials, including polymers, ceramics, metals and composites as scaffolds for musculoskeletal tissue regeneration. This Special Issue on “Biomaterials for Musculoskeletal Tissue Engineering and Regenerative Medicine” seeks to highlight the recent progress on biomaterials formulated for craniofacial and orthopedic applications. The scope will include work related to biomaterial synthesis and processing techniques, as well as characterization of the physicochemical and biological properties. Additionally, topics related to the combination of biomaterials, stem cells and biologics for musculoskeletal regenerative medicine will also be included. Special emphasis will be placed on studies with significant clinical translational relevance.





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Message from the Editor-in-Chief

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