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Advances in Mechanics of Biomaterials

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Deadline for manuscript submissions:

closed (20 April 2024)

Message from the Guest Editors

Dear Colleagues,

The mechanics of biomaterials are known to influence the prevention, diagnosis, prognosis, and treatment of various diseases and injuries. Mechanical cues regulate the cellular differentiation and adhesion, as well as the tissue remodeling and growth. This Special Issue focuses on the application of engineering principles relating to material science and biology to achieve a better understanding of biomaterials at different scales. Computational techniques and/or experimental characterizations of biological and replacement biomaterials at multiple scales are sought to quantify their structure-function relationships. Manuscripts which discuss the development of new prevention solutions, treatment methodologies, as well as new biomaterials such as functionally graded materials are also desired.

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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