

Special Issue

Application of Biomechanics in Cardiovascular Diseases

Message from the Guest Editors

Cardiovascular diseases are the biggest cause of death in developed countries and remain a major health problem due to population aging and the increasing prevalence of risk factors. Recent advances in cardiovascular biomechanics have demonstrated not only the capability to provide a deep understanding of physiopathology, but also the potential to revolutionize the way we diagnose and treat cardiovascular disorders. This Special Issue aims to present the most recent advances in cardiovascular biomechanics in relation to our understanding of the mechanisms underlying disease progression and development; predict responses to medical treatment and the risk of adverse outcomes; and provide insight into the design of cardiovascular devices.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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