

Special Issue

Biomechanics and Biofluidodynamics in Biomedical Engineering

Message from the Guest Editor

The development of models and numerical simulation are topics that are attracting an increasing amount of interest within the biomedical engineering community. Applications to specific cases are essential to understand how the system works in order to prevent pathologies, develop devices, and provide quantitative information. The study of biological organisms requires multiphysics mathematical models, such as models for fluid dynamics, the mechanics of solids, electrophysiology, perfusion, and so on. For this reason, it is necessary to use the most advanced numerical techniques possible. At the same time, clinical data and the validation of the proposed models with experimental tests are of great importance. This Special Issue aims to cover all kinds of approaches in order to encourage the development of technologies and techniques.

Keywords

- biofluidynamics
- numerical methods
- CFD
- devices

Guest Editor

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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.

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