Special Issue

Biofluid Mechanical Modelling of Respiratory System

Message from the Guest Editor

Due to the complexity of airway and lung structures, it has been challenging to understand their fundamental physiology and mechanics, especially in biofluid perspectives. The airways of the respiratory system contain multiscale fractal structures, so they haves a broad range of flow structure from laminar, transitional, and turbulent flows. With a recent advance in computational methods and experimental settings, the respiratory system has been investigated in a comprehensive manner by many biomechanical engineers. This Special Issue is open to all kinds of the state-of-the art and innovative biofluid mechanical modeling in the respiratory system. Studies of disease modeling such as asthma, COPD, fibrosis, and more are encouraged to be submitted. The current Issue of "Biofluid Mechanical Modelling of Respiratory System" is the right place to publish both numerical and experimental studies in biofluid mechanics associated with the respiratory system.

Guest Editor

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Deadline for manuscript submissions

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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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