



Frontiers in Biomechanics

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Message from the Guest Editors

Dear Colleagues,

Our aim in the Special Issue on “Frontiers in Biomechanics” is to encourage scientists to publish their original research papers and comprehensive reviews with findings from their theoretical, computational, experimental, and clinical studies. The scope of the current Special Issue includes a wide range of topics, such as:

- Biomechanics of cardiovascular and respiratory systems;
- Biofluid mechanics;
- Mechanics of prostheses;
- Computational methods for analyzing the performance of medical devices, artificial organs, and prostheses;
- Fluid–structure Interactions and flow-induced vibration;
- Turbulence;
- Sound analysis of the human body.

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Guest Editors





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Message from the Editor-in-Chief

Dynamics aims to cover the research needs of scholars working mainly with physical and chemical processes and thus focuses on the study of systems in these two fields, presenting both theoretical and experimental results. Of particular interest are papers detailing new results concerning dynamics theory regarding differential equations (ordinary differential equations, stochastic differential equations, fractional order systems, nonlinear systems, and chaos) and their discrete analogs, which consist of the mathematical base of the presented physical and chemical models. *Dynamics* will also publish papers concerning computational results and applications of physical and chemical processes in biology, engineering, robotics, and the other sciences, as well as papers in other areas of mathematics that have direct bearing on the dynamics of these kinds of processes.

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