Special Issue

Advances in Applied Mathematics, Mechanics and Engineering

Message from the Guest Editors

Applied Mathematics, Mechanics, and Engineering cover many research domains, and this issue represents a fountain flowing with innovative development. This Special Issue aims to create a research core of high-quality refereed articles discussing various aspects of applied mathematics in mechanics, and mechanical engineering modeling phenomena and their peculiarities. Thus, the proposed topics will highlight research articles dedicated to the mathematical modeling of technical problems arising in domains such as engineering, applied mechanics, medicine, robotics, science, technology, etc. This Special Issue will be represented by high-quality articles related to the following interest topics:

- Mechanical systems modeling; simulations methodology and algorithms.
- Dynamic analysis of mechanical systems.
- Kinematics of mobile mechanical systems and their application.
- Vibrations and impact phenomena modeling.
- Mathematical models applied in mechanical engineering.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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