



## Mathematical and Computational Methods for Mechanics and Engineering

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### Message from the Guest Editor

Dear Colleagues,

The field of mechanics and engineering science is rapidly evolving, with a growing emphasis on advanced mathematical and computational methods in order to address complex challenges. This Special Issue aims to bring together cutting-edge research in the application of mathematical and computational techniques to problems in mechanics and engineering science.

We invite researchers to submit original research articles, reviews, and case studies on areas including, but not limited to, the following topics:

numerical methods for mechanics; computational fluid dynamics; finite element analysis; multiscale modeling; nonlinear dynamics; optimization in engineering applications; machine learning and artificial intelligence in mechanics; computational solid mechanics; fluid–structure interaction; bioengineering applications; robotics; vehicle engineering; mathematical applications in transportation, energy, and environmental issues; and fuzzy sets and systems, decision analysis, and business technologies related to mechanics and engineering science.





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## 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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