

# Special Issue

## Computational Mechanics and Dynamics: Latest Advances and Prospects

### Message from the Guest Editors

Computational mechanics and dynamics play a vital role in the understanding and analysis of complex systems, enabling us to tackle diverse challenges in various scientific and engineering fields. We invite contributions encompassing theoretical models, numerical algorithms, simulation techniques and innovative computational tools that contribute to the advancement of computational methods in mechanics and dynamics. Moreover, this Special Issue aims to showcase ground-breaking research on the application of computational mechanics and dynamics in various disciplines. We encourage researchers to present their novel approaches, innovative methodologies and significant findings that leverage the power of computational techniques to solve real-world problems in fields such as structural engineering, fluid dynamics, solid mechanics and biomechanics. Furthermore, interdisciplinary studies that integrate computational approaches with other domains, such as mathematics, physics and computer science, are particularly welcomed.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2025)



## Mathematics

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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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### Editor-in-Chief

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indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).