

Special Issue

Numerical Analysis and Finite Element Method with Applications

Message from the Guest Editors

With the increasing complexity of computational models, the finite element method (FEM) and other numerical methods play pivotal roles in simulating physical processes, predicting system behavior, and optimizing structural performance. This Special Issue aims to showcase innovative applications and methodological advances in numerical analysis and the FEM across various scientific and engineering fields. We welcome original research articles and review papers focusing on the latest theoretical developments, computational techniques, and interdisciplinary applications of numerical methods. Topics may include (but are not limited to) computational mechanics, structural dynamics, geotechnical engineering, multi-physics problems, and the simulation of wave propagation.

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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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