

Special Issue

Mathematical Model and Numerical Method in Advanced Geotechnical Engineering and Geomechanics

Message from the Guest Editors

Basic and advanced mathematics are usually necessary in civil engineering and other complex scientific fields.

There would be no bridges, tunnels, roads, buildings, dams, or most mechanical things if mathematics had not been used to establish principles, compute measurements and limits, investigate variants, prove concepts, etc. In reality, mathematics is required for almost all numerical methods, software, and design principles. More importantly, the preliminary design process makes extensive use of the concepts that mathematics has fundamentally established.

Mathematics will undoubtedly continue to be employed throughout the centuries and into the future. This Special Issue is primarily interested in works that provide new mathematical modellings, new applications, or a mix of both that advance the understanding of real-world problems. Papers using the presently available numerical techniques must show substantial innovation in the resolution of real-world issues. Papers addressing novel mathematical techniques for the analysis of soil–structure interaction are especially encouraged.

Guest Editors

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Deadline for manuscript submissions

closed (15 August 2024)



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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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