

Special Issue

Advances in Computational Structural Engineering and Computational Mathematics

Message from the Guest Editors

The aim of this Special Issue, "Advances in Computational Structural Engineering and Computational Mathematics", is to highlight original research and development in the areas of advanced computational methodologies, models, and applications in structural engineering and computational mathematics. We are particularly interested in papers that explore innovative analytical and numerical methods, the integration of big data and artificial intelligence in computational models, and the advancement of simulation techniques that improve accuracy and efficiency in solving complex engineering problems. Submissions may cover, but are not limited to, the following topics:

- Advanced numerical methods for structural analysis and design.
- Computational modelling and simulation in civil and structural engineering.
- The integration of machine learning and artificial intelligence technologies in structural engineering.
- Innovative applications of computational mathematics in solving real-world engineering problems.
- Big data analytics in structural health monitoring and assessment.

Guest Editors

Dr. Giuseppe Lovisi

Department of Civil Engineering, University of Salerno, Via Giovanni Paolo II, 132, 84084 Fisciano, SA, Italy

Dr. Rosa Penna

Department of Civil Engineering, University of Salerno, Via Giovanni Paolo II, 132, 84084 Fisciano, SA, Italy

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Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University,
The Gateway, Leicester LE1 9BH, UK

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Rapid Publication:

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).