

# Special Issue

## Numerical Methods Applied to Mathematical Problems

### Message from the Guest Editor

This Special Issue, entitled “Numerical Methods Applied to Mathematical Problems”, is currently accepting submissions from a diverse range of scientific fields. Numerical methods represent a distinct branch of mathematics that is focused on developing and employing algorithms to tackle mathematical problems. Numerical techniques have naturally found application in a variety of fields such as engineering, physics, finance, biology, and beyond. Due to the ever-growing complexity of mathematical challenges across various disciplines, numerical methods offer practical solutions with which to analyze, model, and solve these problems computationally. The scope of this Special Issue includes, but is not limited to, the following topics: Numerical methods for ODEs and PDEs; numerical linear algebra; stochastic differential equations; numerical integration and differentiation; dynamical systems; interval analysis; error analysis; approximation theory; interpolation; optimization; and mathematical modelling.

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### Guest Editor

Dr. Dimitris F. Papadopoulos

Department of Management Science and Technology, University of Patras, 26334 Patras, Greece

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### Deadline for manuscript submissions

31 December 2026



## Mathematics

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

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### 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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