

# Special Issue

## Mathematical Modelling, Nonlinear Optimization, Nondimensionalization and Engineering Applications

### Message from the Guest Editors

This Special Issue includes the following potential topics (but is not limited to):

- Mathematical modeling for science and engineering applications;
- Numerical analysis;
- Mathematical and computational engineering;
- Numerical methods for science and engineering applications;
- Optimization and control in engineering applications;
- Dynamical systems;
- Mathematical physics;
- Analysis of PDEs;
- Classical analysis and ODEs;
- Mathematics in engineering and sciences studies;
- Teaching and assessment methodologies in science and engineering;
- STEM and mathematics education.

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### Guest Editors

Prof. Dr. Juan Francisco Sánchez-Pérez

Prof. Dr. Gonzalo García Ros

Dr. Manuel Conesa

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### Deadline for manuscript submissions

closed (31 December 2023)



## Mathematics

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Impact Factor 2.2  
CiteScore 4.6



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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,  
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### Author Benefits

#### High Visibility:

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

#### Journal Rank:

JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

#### 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).