

# Special Issue

## Advances in Computational Science and Its Applications

### Message from the Guest Editors

Computational science is a discipline concerned with the development of numerical methods to model, simulate and analyse scientific problems. As a highly interdisciplinary area, computational sciences bring together applied mathematics, statistics, computer science, mechanics etc. Computational science is rapidly growing, and finds important applications in a wide range of fields. For example, it plays a fundamental role in engineering, chemistry, and physics. It also has many branches in social science, such as computational economics, computational sociology, cliodynamics and culturomics. For this Special Issue, we invite original research articles and survey papers on the state-of-the-art theoretical research and applications of computational science. Manuscripts that address the industrial and societal problems associated with COVID-19 are particularly welcome.

### Guest Editors

Dr. Haojie Lian

Dr. Chensen Ding

Dr. Leilei Chen

Dr. Xiao Lin

### Deadline for manuscript submissions

closed (31 May 2024)



## Mathematics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 4.6



[mdpi.com/si/108709](https://mdpi.com/si/108709)

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

[mdpi.com/journal/  
mathematics](https://mdpi.com/journal/mathematics)





# Mathematics

---

an Open Access Journal  
by MDPI

---

**Impact Factor 2.2**  
**CiteScore 4.6**



[mdpi.com/journal/  
mathematics](https://mdpi.com/journal/mathematics)



## 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

---

### 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).