

# Special Issue

## Applied Computing and Artificial Intelligence

### Message from the Guest Editors

We are pleased to announce this Special Issue of the journal *Mathematics* entitled “Applied Computing and Artificial Intelligence”. This initiative focuses on advances in algorithmic research and practical applications of applied computing and artificial intelligence methods, which have been attracting growing interest in recent years due to their effectiveness in solving technical problems. The recent developments in applied mathematics have largely led to benefits in many industrial tasks in different fields, including the aerospace industry, manufacturing, transportation, energy, robotics, materials, informatics, etc. A large number of practical industrial problems have been well addressed, such as system condition monitoring, parameter identification, time-series data prediction, fault diagnosis, signal processing, dynamics analysis, system optimization, data-driven modeling, etc. This Special Issue invites high-quality original research or review papers on recent advanced methods in applied computing and artificial intelligence to address the practical challenges in the related areas.

### Guest Editors

Dr. Xiang Li  
Dr. Shuo Zhang  
Dr. Wei Zhang

### Deadline for manuscript submissions

closed (31 October 2022)



## Mathematics

an Open Access Journal  
by MDPI

Impact Factor 2.2  
CiteScore 4.6



[mdpi.com/si/97920](https://mdpi.com/si/97920)

*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).