

# Special Issue

## Artificial Intelligence for Biomedical Applications

### Message from the Guest Editors

Artificial intelligence (AI) refers to systems or machines that can perform tasks by imitating human intelligence, and continuously adjust and evolve based on the information collected. Rather than a specific format or function, AI focuses on the process and ability of super-mind and data analysis. AI is fast becoming the cornerstone of innovation. Through various machine learning techniques, it is possible to identify patterns of information and make predictions. AI is advancing biomedical science in many ways, from basic PCR primer design to improving image-based diagnostics, engineering strategies to improve exercise related to injury, birth defects, or neurological or cardiovascular disease, and predicting behavior and nerve response to stimuli. *Mathematics* is compiling a Special Issue highlighting the latest applications of AI in biomedical sciences, and invites you to submit your research for consideration.

### Guest Editors

Prof. Dr. Cheng-Hong Yang

Department of Electronic Engineering, National Kaohsiung University of Science and Technology, Kaohsiung, Taiwan

Dr. Yu-Da Lin

Department of Computer Science and Information Engineering,  
National Penghu University of Science and Technology, Penghu 880011,  
Taiwan

### Deadline for manuscript submissions

closed (30 November 2024)



## Mathematics

an Open Access Journal  
by MDPI

Impact Factor 2.2  
CiteScore 4.6



[mdpi.com/si/128050](https://mdpi.com/si/128050)

*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).