



## AI for Brain Science and Brain-Inspired Computing

Guest Editors:

**Dr. Zhaofei Yu**

School of Artificial Intelligence,  
National Engineering Research  
Center of Visual Technology,  
Peking University, Beijing 100871,  
China

**Prof. Dr. Haixian Wang**

School of Biological Science &  
Medical Engineering, Southeast  
University, Nanjing 210096, China

**Dr. Qi Xu**

School of Artificial Intelligence,  
Dalian University of Technology,  
Dalian 116024, China

Deadline for manuscript  
submissions:

**31 May 2024**

### Message from the Guest Editors

Dear Colleagues,

Recently, research into artificial intelligence and brain science have promoted and inspired each other. On the one hand, researchers have utilized artificial intelligence techniques, including deep learning and machine learning, to delve into the intricacies of brain information processing, thus enhancing our understanding of its underlying mechanisms. Conversely, insights gained from the study of the human brain's computational principles have paved the way for advancements in artificial intelligence, addressing the challenges faced by the field and propelling its technological advancement.

This particular Topic aims to bring together esteemed scientists working in the domains of artificial intelligence, brain science, and related fields such as machine learning, computer vision, and neuromorphic computing. We eagerly invite scholars to submit original research papers, experimental papers, and dataset papers that are closely aligned with the theme of this Topic. Contributions employing advanced mathematical methods and novel approaches within these areas are especially encouraged for publication.





## Editor-in-Chief

### **Prof. Dr. Francisco Chiclana**

School of Computer Science and  
Informatics, De Montfort  
University, The Gateway,  
Leicester LE1 9BH, UK

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

**Journal Rank:** JCR - Q1 (*Mathematics*) / CiteScore - Q1 (*General Mathematics*)

## Contact Us

---

*Mathematics* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/mathematics](http://mdpi.com/journal/mathematics)  
[mathematics@mdpi.com](mailto:mathematics@mdpi.com)  
[X@MathematicsMDPI](https://twitter.com/MathematicsMDPI)