

Special Issue

AI for Brain Science and Brain-Inspired Computing

Message from the Guest Editors

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.

Guest Editors

Dr. Zhaofei Yu
Prof. Dr. Haixian Wang
Dr. Qi Xu

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/181975

Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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 17.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).