

Special Issue

Safe, Trustworthy and Ethical Artificial Intelligence: Theory and Applications

Message from the Guest Editors

As AI reshapes sectors, ensuring safety, trustworthiness, and ethics in its development and deployment is vital. This Special Issue examines principles and methods for building AI systems that are effective, secure, transparent, and ethically sound. We invite contributions on theoretical foundations, practical solutions, and evaluation approaches for trustworthy AI, focusing on large language models (LLMs), generative AI, AI agents, and AI-generated content (AIGC). Topics include privacy, fairness, transparency, accountability, robustness, sustainability, misuse prevention (e.g., deepfakes, misinformation), AIGC copyright and traceability, bias mitigation, data security, ethical frameworks, governance, and domain applications such as healthcare, education, and transportation. We welcome original research, reviews, and communications that foster interdisciplinary dialogue among researchers, practitioners, and policymakers to ensure AI advances serve the public good while upholding ethical standards. We look forward to your submissions.

Guest Editors

Dr. Chi Liu

Faculty of Data Science, City University of Macau, Taipa, Macao, China

Dr. Sheng Shen

Centre for Artificial Intelligence Research and Optimisation (AIRO),
Torrens University Australia, Adelaide, SA 5000, Australia

Deadline for manuscript submissions

1 July 2026



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/247782

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 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).