

Special Issue

Artificial Intelligence and Algorithms

Message from the Guest Editor

By bringing together contributions from mathematicians, computer scientists, and AI researchers, this Special Issue aims to provide a comprehensive overview of the state-of-the-art mathematical techniques driving AI. We invite theoretical and applied research papers that present novel mathematical models, innovative algorithms, and their practical applications in AI. This collection will serve as a valuable resource for researchers and practitioners looking to deepen their understanding of the mathematical principles that form the backbone of artificial intelligence and its algorithms.

Guest Editor

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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.

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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).