

# Special Issue

## Mathematical Methods and Artificial Intelligence in Information Recognition

### Message from the Guest Editor

This Special Issue of the journal *Mathematics*, entitled “Mathematical Methods and Artificial Intelligence in Information Recognition”, aims to present recent advances, methodologies, and applications that combine mathematical foundations with artificial intelligence (AI) and deep learning techniques for information recognition.

Rapid progress in the development of deep learning techniques has produced transformative breakthroughs, yet the success of these techniques is deeply rooted in solid mathematical principles, including optimization theory, statistical learning, linear algebra, and probability models. These mathematical frameworks not only provide theoretical guarantees for AI algorithms, but also ensure robustness, scalability, and generalization.

This Special Issue seeks to provide a comprehensive platform for disseminating significant contributions that connect mathematical methods with AI applications. It invites original research articles, reviews, and case studies that advance both the mathematical foundations and practical implementations of AI in information recognition.

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### Guest Editor

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### Deadline for manuscript submissions

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## Mathematics

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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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### Editor-in-Chief

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#### High Visibility:

indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

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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).