

Special Issue

Advanced Research in Neural Networks, Machine Learning, and Image Processing

Message from the Guest Editors

This Special Issue, titled "Advanced Research in Neural Networks, Machine Learning, and Image Processing", aims to highlight recent advances in these areas and focuses on the application of mathematical theories and methods in the intersection of artificial intelligence and image processing. Developing mathematical models offers more effective theoretical guidance for complex image processing and machine vision issues, playing a crucial role in addressing complex problems. We encourage researchers to contribute original, high-quality papers that explore new theories, models, and applications. Topics of interest include, but are not limited to, pattern recognition and machine learning, deep learning and neural networks, image processing and computer vision, image generation and synthesis, medical image processing and analysis, visual large language models, and various applications of image processing.

Guest Editors

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Prof. Dr. Hongyi Li
Prof. Dr. Di Zhao

Deadline for manuscript submissions

closed (20 February 2026)



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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 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).