Special Issue

Image Processing and Machine Learning with Applications

Message from the Guest Editors

Image processing and machine learning have grown in importance within artificial intelligence due to the swift advancement of science and technology. This field has developed rapidly in recent years due to the growing use of machine learning and deep learning in image processing and pattern recognition. This Special Issue aims to examine the most recent developments and potential directions for image processing, computer vision, and machine learning. Topics include but are not limited to

- Image generation, acquisition, compression, and processing;
- Applications of image processing;
- Novel visual computing and processing techniques;
- Multi- and cross-modal large vision/language models;
- Machine learning algorithm services and processes for manufacturing, industrial, and safety applications.

Guest Editors

Prof. Dr. Qingsen Yan

Prof. Dr. Zhiyuan Zha

Dr. Xu Jia

Deadline for manuscript submissions

25 October 2025

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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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