

Special Issue

Machine Learning with Applications to Image Process and Computer Vision

Message from the Guest Editor

This Special Issue focuses on recent advances and practical applications of machine learning in image processing and computer vision. With the growing availability of visual data and the rapid evolution of learning algorithms, machine learning has become a key enabler for solving complex visual tasks such as image enhancement, segmentation, recognition, detection, and scene understanding. Progress in areas such as deep learning, optimization methods, and evolutionary techniques has further enhanced the capacity of computers to interpret and analyze images and video content. As the field continues to mature, bridging theoretical innovation with practical implementation is becoming increasingly important. We aim to highlight research that explores and advances the use of machine learning techniques in image processing and computer vision applications. Submissions that present innovative models, efficient algorithms, or interdisciplinary applications are particularly encouraged. We welcome high-quality contributions in the form of original research articles, review papers, or case studies that reflect the current trends and future directions of machine learning for visual data.

Guest Editor

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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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