Special Issue

Computational Methods for Computer Vision and Medical Image Analysis

Message from the Guest Editors

The tremendous recent advancements in computational methods have significantly transformed the fields of computer vision and medical image analysis. This Special Issue in MDPI's *Mathematics* is dedicated to showcasing cutting-edge research that bridges theoretical developments in mathematics with practical applications in these domains. The scope of this Issue encompasses a wide range of topics, including but not limited to deep learning architectures, image segmentation, pattern recognition, and optimization methods for medical imaging. Contributions addressing emerging challenges—such as multi-modal data fusion, 3D reconstruction, and real-time analysis—are particularly welcomed. By encouraging interdisciplinary dialogue, we seek to foster a deeper understanding of how mathematical theories can be translated into robust solutions for complex imaging problems in healthcare and beyond.

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Deadline for manuscript submissions

31 December 2025

MDPI

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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