

Special Issue

Mathematics Methods in Image Processing and Computer Vision

Message from the Guest Editor

This Special Issue is dedicated to exploring the realm of numerical modeling in the complex domain of image representation and computer vision. The topics to be covered include, but are not confined to, pattern recognition and machine learning, image processing and computer vision, biometric recognition, feature extraction and feature selection, cross-modal learning, optimization learning methods, medical image analysis, and document analysis and recognition. The advancement of computational technology has paved the way for the integration of complex numerical models and high-performance simulations in various engineering fields. As an important field of artificial intelligence, image representation and computer vision are often considered as the key bridges for human-computer interaction, as they combine expertise from these two fields to solve problems related to machine vision. The establishment of mathematical models provides more effective theoretical guidance for complex image representation and machine vision problems and plays an important role in solving complex problems.

Guest Editor

Dr. Yuwu Lu

School of Software, South China Normal University, Guangzhou, China

Deadline for manuscript submissions

31 March 2026



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/207921

Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

[mdpi.com/journal/
mathematics](https://mdpi.com/journal/mathematics)





Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



[mdpi.com/journal/
mathematics](https://mdpi.com/journal/mathematics)



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.

Editor-in-Chief

Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University,
The Gateway, Leicester LE1 9BH, UK

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).