

# Special Issue

## Application of Mathematical Method in Image Processing

### Message from the Guest Editor

The Special Issue “*Advances of Mathematical Method in Image Processing*” aims to publish high-quality, peer-reviewed research that advances mathematical methodologies in image processing. We welcome original articles, reviews, and short communications that highlight new theories, models, or techniques. This Special Issue seeks to foster interdisciplinary collaboration and promote innovative mathematical approaches to image analysis, including (but not limited to):

- Mathematical/statistical modelling of images;
- Image analysis via statistical properties;
- Image processing using orthogonal polynomials or sets;
- Mathematical methods for video and 3D image processing;
- Mathematical aspects of deep learning;
- Applications in filtering, representation, compression, enhancement, restoration, rendering, and super-resolution;
- Novel approaches for biomedical, electronic imaging, and remote sensing.

We invite contributions from mathematics, computer vision, and algorithmic research communities. All submissions will undergo rigorous peer review to ensure academic quality and relevance.

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### Guest Editor

Dr. Bo Yang

School of Automation, Northwestern Polytechnical University, Xi'an, China

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### Deadline for manuscript submissions

closed (15 May 2026)



## Mathematics

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Impact Factor 2.2  
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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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### Editor-in-Chief

Prof. Dr. Francisco Chiclana  
School of Computer Science and Informatics, De Montfort University,  
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### 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 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).