

Special Issue

Advances of Mathematical Image Processing

Message from the Guest Editor

This Special Issue titled “Advances of Mathematical Image Processing”, invites both original and survey manuscripts that bring together new mathematical tools, models, and techniques in order to solve image processing problems. It has applications in consumer images, medical images, outer-space images, radar images, seismic data, and natural images. The purpose of this Special Issue is to gather a collection of articles reflecting the latest developments of mathematical image modelling and applications. We invite authors to contribute original research articles addressing significant issues and contributing to the development of new concepts, methodologies, applications, trends, and knowledge, in science. Review articles describing the current state-of-the-art are also welcome. The fields of interest include image restoration and reconstruction, image decomposition, image segmentation, image registration, image filtering (in spatial and frequency domain), feature detection, multi-scale image analysis, morphology, etc., as well as their applications for solving real problems in sciences and engineering.

Guest Editor

Dr. Vassilios Solachidis

Information Technologies Institute, Center for Research and Technology Hellas, 57001 Thessaloniki, Greece

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

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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.

Editor-in-Chief

Prof. Dr. Francisco Chiclana

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

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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).