

Special Issue

Complex System Dynamics and Image Processing

Message from the Guest Editor

The intersection of complex system dynamics and image processing represents a vibrant and expansive research domain within mathematics, attracting growing interest from disciplines such as system science, applied mathematics, statistics, theoretical physics, and computer science. Complex system dynamics and image processing drive advancements in pattern recognition, anomaly detection, and feature extraction, thereby propelling fields like medical diagnosis, remote sensing, and computer vision forward. This Special Issue invites papers showcasing novel theoretical contributions across diverse realms of complex system dynamical analysis, including chaos, memristor dynamics, cellular automata, self-organizing nonlinear systems, and complex network dynamics, as well as various facets of image processing, including image encryption, steganography, watermarking, segmentation, compression, and reconstruction. Submissions that explore the synergies between image processing with complexity and dynamics are also welcomed. Review articles will also be considered.

Guest Editor

Dr. Hao Zhang

College of Information & Computer, Taiyuan University of Technology,
Taiyuan 030024, China

Deadline for manuscript submissions

30 September 2025



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/202591

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).