

Special Issue

Chaos-Based Secure Communication and Cryptography

Message from the Guest Editor

In the last decade, chaotic systems have been widely used in chaos-based encryption and chaotic secure communications due to their dynamical complexity. In this Special Issue, we are specifically seeking submissions on chaos-based secure mechanisms and applications, including chaos-based block cipher, stream cipher, public key cipher, chaos-based multimedia security, chaos-based synchronization, chaotic optical communications, the design of chaotic source, complex networks, etc. However, we do not wish to restrict this Special Issue to these particular cases, and instead, encourage submissions specifically on foundational aspects, such as the dynamical degradation of chaotic systems, security evaluation of chaotic cryptography, and chaos-based cryptanalysis, etc.

Guest Editor

Dr. Lingfeng Liu

School of Software, Nanchang University, Nanchang 330031, China

Deadline for manuscript submissions

closed (15 October 2023)



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/97901

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).