

Special Issue

Chaos-Based Secure Communication and Cryptography, 2nd Edition

Message from the Guest Editor

We are excited to announce the launch of the second edition of our Special Issue, "Chaos-Based Secure Communication and Cryptography". Over the past 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 ciphers, stream ciphers, public key ciphers, chaos-based multimedia security, chaos-based synchronization, chaotic optical communications, the design of chaotic sources, 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, chaos-based cryptanalysis, etc. We eagerly await your contributions.

Guest Editor

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Deadline for manuscript submissions

30 September 2025



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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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Prof. Dr. Francisco Chiclana

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