

Special Issue

Theoretical and Applied Mathematics in Cryptography and Information Security

Message from the Guest Editor

The increasing reliance on digital systems for communication, commerce, and critical infrastructure has amplified the need for robust cryptography and information security solutions. This Special Issue, titled "*Theoretical and Applied Mathematics in Cryptography and Information Security*", aims to provide a platform for researchers, practitioners, and industry experts to present innovative approaches, emerging trends, and cutting-edge technologies that address the evolving challenges in this domain. The scope of the Special Issue includes research in cryptographic methods, the development of secure systems, and applied solutions to safeguard data and privacy. Topics of interest include the mathematical foundations of cryptography, cryptanalysis, post-quantum cryptography, and applications of mathematics in information security, such as secure protocols, privacy-enhancing technologies, and lightweight cryptographic solutions. It will serve as a valuable resource for academics, professionals, and policymakers, offering insights into the future trajectory of cryptography and information security.

Guest Editor

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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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