

Special Issue

New Advances in Coding Theory and Cryptography

Message from the Guest Editors

With the rapid development of information technology and advanced communications, new threats and malicious attackers have rapidly emerged, bringing serious challenges in the cybersecurity domain. Consequently, coding theory and cryptography have become common and indispensable to tackle security problems in both the academic and industrial communities. This Special Issue welcomes contributions from theory to practice and aims to publish high-quality and original research papers on various technologies for secure computing and communication. Topics include but are not limited to the following:

- homomorphic encryption and attribute-based encryption
- zero knowledge proofs and secure multiparty computation
- authentication and key exchange
- lattice theory and its applications
- blockchain-based secure communication systems
- cloud security and privacy
- trustworthy digital twins in industrial IoT systems
- federated learning in edge computing
- vulnerabilities, attacks, and defenses
- privacy-preserving machine learning

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2023)



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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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Author Benefits

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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).