

Special Issue

Mathematics for Algebraic Coding Theory and Cryptography

Message from the Guest Editor

This Special Issue, "*Mathematics for Algebraic Coding Theory and Cryptography*", is dedicated to highlighting cutting-edge research in two fundamental areas of modern information security and data integrity: algebraic coding theory and cryptography. These fields are essential for developing secure, efficient, and reliable systems for communication and data protection. Algebraic coding theory, which provides techniques to detect and correct errors in data transmission, is essential for digital communications, from satellite and cellular systems to storage devices. Cryptography, meanwhile, maintains the confidentiality, integrity, and authenticity of data across various applications, including secure messaging, e-commerce, blockchain technology, artificial intelligence, healthcare, and telecommunication networks. This issue will feature both theoretical developments and practical applications, showcasing innovations in cryptographic protocols, error-correcting codes, and secure algorithms.

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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