

# Special Issue

## Applications of Cryptography Theory in Network Security

### Message from the Guest Editors

This Special Issue aims to explore recent advances in the use of cryptography in network security protocols. It includes the use of new cryptographic algorithms resistant to quantum computing and the necessity of implementing crypto-agility to keep these protocols secure. Specific topics of interest include, but are not limited to, the following:

- Cryptographic secure protocols.
- Quantum-resistant cryptographic techniques.
- Crypto-agility in network security.
- Communication technology and protocol security.
- Authentication protocols.
- Key distribution and management.
- Real-time cryptography applications.
- Cryptography and cybersecurity.
- Industrial network security.
- Security and privacy for cloud and edge computing.
- Machine learning and deep learning application to cybersecurity.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 October 2025)



## Mathematics

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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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### Editor-in-Chief

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