Special Issue

Cybersecurity and Data Protection: Modern Methods and New Applications

Message from the Guest Editors

We are pleased to announce this Special Issue of the journal *Mathematics* entitled "Cybersecurity and Data Protection: Modern Methods and New Applications". This initiative focuses on advances in mathematical research and practical applications in cybersecurity and data protection, which have been attracting growing interest due to their critical role in addressing contemporary cyber threats. Recent developments in applied mathematics have significantly contributed to enhancing the security and resilience of systems across various domains. This Special Issue invites high-quality original papers and new applications in cybersecurity and data protection to address the practical challenges in the related areas. Such as:

- Cryptographic Methods Development of novel encryption algorithms
- Threat Detection and Prevention Mathematical models for identifying malware and phishing attacks
- Optimization of Security Protocols Game theory applications in cybersecurity
- Artificial Intelligence in Cybersecurity Machine learning models for cyber threat intelligence
- Mathematical Foundations of Cybersecurity Theoretical analysis of security model

Guest Editors

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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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