

Special Issue

Blockchain and Internet of Things

Message from the Guest Editor

Blockchain technology and the Internet of Things (IoT) are two separate yet equally compelling innovations that are currently shaping the modern landscape.

Blockchain, with its decentralized ledger and cryptographic security, has the potential to revolutionize financial transactions, supply chain management, and digital identity verification. On the other hand, the IoT, through its web of interconnected devices, offers new possibilities for data collection, automation, and real-time decision making, impacting industries like healthcare, agriculture, and smart cities. Each innovation brings unique benefits and challenges, but they share a common objective: to enhance efficiency, security, and transparency in their respective domains. Within the scope of this Special Issue, a diverse array of advanced mathematical and statistical methods take a prominent role. These encompass a wide spectrum of techniques, including but not limited to machine learning, deep learning, algorithmic approaches, Bayesian inference, time series analysis, regression models, clustering algorithms, system theory, formal verification techniques, and rigorous modeling approaches.

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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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