

Special Issue

Advancements in Distributed Computing and Blockchain Technologies

Message from the Guest Editor

The rapid evolution of distributed computing and blockchain technologies has transformed various sectors by enabling decentralized systems to enhance transparency, security, and efficiency. This Special Issue aims to explore the latest advancements in distributed computing and blockchain technologies, focusing on their integration, applications, and implications for various domains. Topics of interest include, but are not limited to, the following:

- Novel architectures and algorithms for distributed computing.
- Blockchain frameworks and applications in real-world scenarios.
- Scalability and performance optimization in distributed systems.
- Security and privacy challenges in distributed computing and blockchain.
- Interoperability between different blockchain platforms.
- Blockchain in sectors such as finance, healthcare, supply chain, and IoT.
- Governance and regulatory aspects of distributed and blockchain.

We aim to provide a platform for researchers and practitioners to share insights, foster collaboration, and advance their understanding of how distributed computing and blockchain can solve complex problems in an increasingly interconnected world.

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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).