



## Blockchain and Internet of Things

Guest Editor:

### Dr. Jan Lansky

Department of Computer Science  
and Mathematics, Faculty of  
Economic Studies, University of  
Finance and Administration, 101  
00 Prague, Czech Republic

Deadline for manuscript  
submissions:

**15 October 2024**

### 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.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Francisco Chiclana**  
School of Computer Science and  
Informatics, De Montfort  
University, The Gateway,  
Leicester LE1 9BH, UK

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

**Journal Rank:** JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

## Contact Us

---

*Mathematics* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/mathematics  
mathematics@mdpi.com  
X@MathematicsMDPI