Mathematics, Cryptocurrencies and Blockchain Technology, 2nd Edition

Guest Editors:

Prof. Dr. José Luis Miralles-Quirós

Faculty of Economic and Business Sciences, University of Extremadura, 06006 Badajoz, Spain

Prof. Dr. María Mar Miralles-Quirós

Faculty of Economic and Business Sciences, University of Extremadura, 06006 Badajoz, Spain

Deadline for manuscript submissions:
closed (30 November 2023)

Message from the Guest Editors

Cryptocurrencies, which can be understood as mathematical money, are one of the main challenges that exist in the field of finance today and in our society and way of life in the very near future. The academic world cannot be oblivious to this development. Cryptocurrencies are built using complex mathematics and computational methods. However, in this Special Issue, we do not focus only on mathematics as a feature of the security and effectiveness of cryptocurrencies protocols but also on pricing mathematics. In that context, the pricing mathematics underlying these instruments can be useful tools for the prediction or estimation of the reasonable value of something. Therefore, we consider that academic research in this field will reinforce the importance of mathematics for cryptocurrencies.

Potential topics include but are not limited to:

- Forecasting models;
- Effects on financial markets;
- Mathematical models;
- Cryptocurrencies mining;
- Future of cryptocurrencies;
- Abnormal volatility;
- Cryptocurrency pump and dump;
- Cybercrime and cryptocurrencies;
- Exchange frauds in digital transactions.

Special Issue

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.

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