



Call for Papers for Special Session

Challenges of Alternative Investments

Chairs: prof. dr. Zdravka Aljinović and Assoc. prof. dr. Blanka Škrabić Perić

The session is organised within the framework of a research project supported by the Croatian Science Foundation under Grant [IP-2019-04-7816].

The research objectives are:

1. To investigate the correlation of the return of particular alternative investments, especially cryptocurrencies, with the returns of traditional as well as some other alternative forms of investment;
2. To investigate the contribution of particular alternative investments, especially cryptocurrencies, in terms of Markowitz diversification; to find out which of the alternative forms of assets and in which proportions best contribute to portfolio performance, considering all recognized features and constraints;
3. To calculate and compare the risk of some alternative investments, but also for, and in comparison with, traditional forms of assets;
4. To investigate if neural networks offer more accurate prognostic values of price and volatility of the selected cryptocurrencies, i.e. CRIX index in comparison to ARIMA models in the context of time series for modelling and forecasting prices of cryptocurrencies, and GARCH models for modelling and forecasting volatility;
5. To identify which neural network is suitable for modelling and forecasting cryptocurrencies' price and volatility: to define the structure of neural networks, to compare the results of various neural networks, including feedforward and recurrent, and to implement the most appropriate neural network;
6. To investigate the connection between institutions and alternative asset market as a separate segment of the capital market, to investigate whether the role of institutions differs in developing and developed countries and for different types of alternative investment;
7. To link and explore the institutional environment and financial literacy with the development of alternative markets in developed and less developed countries;
8. To investigate the possibility of mutual causality between the alternative asset market and financial literacy;
9. To explore the link and influence of financial literacy on individual alternative investments;
10. To find out whether a more advanced level of financial literacy effects on participation in cryptocurrencies' trading;
11. To study to what extent the development of the cryptocurrency market encourages participation in trading. Under conditions where alternative investments enter financial markets expeditiously and with increasing volumes, answers to the raised questions and issues, together with introduction and implementation of the most accurate methodology, are of major importance for scientific community, but also for numerous practitioners, including increasingly large number of citizens who recognize the necessity of active asset management approach.

We encourage the submission of papers that include various OR areas and develop concepts and/or models that are tested on specific problems in the domain of the mentioned challenges, but also open, analyse and discuss other questions and issues regarding alternative investments.



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Deadlines:

- June 15th - submission of abstracts
- July 1st - notification of acceptance
- September 1st - registration & fee payment

Note: When submitting the paper, please, select: *Challenges of Alternative Investments*.