Special Issue

Innovative Quantitative Methods for Financial Risk Management

Message from the Guest Editor

Financial risk management has been pivotal for safeguarding assets, ensuring stability and fostering growth in the volatile world of finance, with a tremendously positive impact on the real economy as well. The quantitative methods has proven essential to assess and hedge risks. Research in stochastic calculus, the theory of risk measures, advanced simulations and numerical mathematics has provided invaluable results. However, as the financial landscape evolves, so does the complexity of risks, necessitating newer and more reliable modeling approaches. This Special Issue seeks to bridge traditional methodologies with innovative approaches, inviting groundbreaking contributions that push the boundaries of quantitative risk management. In addition to new findings in traditional areas of quantitative risk management, we particularly welcome alternative approaches and research integrating with machine learning algorithms. Decentralized finance and blockchains, as risk mitigation and transparency tools, are also of interest for this Special Issue when studied from a quantitative point of view. I look forward to receiving your contributions.

Guest Editor

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Message from the Editor-in-Chief

Risks is published in an open access format; research articles, reviews, and other content are released on the internet immediately after acceptance. Specifically, *Risks* welcomes submissions that (a) contribute with insight, outlook, understanding, and overview; (b) show creativity in terms of pedagogical methods and techniques; (c) help the transfer of theoretical and applied research into applications in the public and private domains; and (d) show responsibility for the impact on society. The scientific and the general public have unlimited free access to the content as soon as it is published.

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