

Special Issue

Applications of Fuzzy Modeling in Risk Management

Message from the Guest Editors

Risk management has long been an important area of engineering, environmental and health research, but has become even more of a focus today due to the emergence of the COVID-19 pandemic. Among the risk factors, quantitative and qualitative parameters can be observed as well, and these kinds of systems are full of uncertainty and subjectivity in the data and in evaluation process. The above characteristics justify the use of soft computation methods, especially fuzzy logic-based models. In many cases, real-time risk management is required, where the short reaction time has vital importance. However, due to the large number of risk parameters and the complexity of their context result in the complexity of the model, which should be handled adequately. Consequently, for the application of different reduction techniques, anytime algorithms are essential. This Special Issue invites original contributions, new developments of classical results, and advanced topics of high potential for future research and applications in different field of risk management using fuzzy models.

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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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