

Special Issue

Volatility Models Applied to Geophysics, Financial Market Data and Other Disciplines

Message from the Guest Editor

Over the past few decades, several volatility models have been developed to describe phenomenon arising in Geophysics, Financial Markets and other disciplines. Many known methods both deterministic and stochastic has been used to study the volatility structures of datasets arising in geophysical and financial time series. Many of these deterministic and stochastic models provide interesting, potentially useful tools for modeling and describing volatility structures in these time series. In this Special Issue, we invite and welcome commentaries, review, expository, and original research articles dealing with the recent advances in the theory and applications of volatility models to data sets arising in geophysics, financial markets data and other disciplines. In this Special Issue, we invite and welcome commentaries, review, expository, and original research articles dealing with the recent advances in the theory and applications of volatility models to data sets arising in geophysics and financial markets data.

Guest Editor

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About the Journal

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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