





an Open Access Journal by MDPI

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

Guest Editor:

Prof. Dr. Maria C. Mariani

Department of Mathematical Sciences, University of Texas at El Paso, 500 University Ave., Bell Hall 124, El Paso, TX 79968-0514, USA

Deadline for manuscript submissions:

31 May 2024

Message from the Guest Editor

Dear Colleagues,

Over the past few decades, several volatility models have been developed to describe phenomena arising in geophysics, financial markets and other disciplines. Many known methods, both deterministic and stochastic, have 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.

Prof. Dr. Maria C. Mariani Guest Editor











an Open Access Journal by MDPI

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 iournal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering sociology. particularly those that and 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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

Journal Rank: JCR - Q1 (*Mathematics*) / CiteScore - Q1 (*General Mathematics*)

Contact Us