Special Issue

Stochastic Processes and Its Applications

Message from the Guest Editors

The aim of this Special Issue entitled "Stochastic Processes and Its Applications" is to publish original research articles discussing the latest developments in the theory and applications of stochastic processes. Applications include the modeling and analysis of stochastic dynamic systems used in biology, economics, medicine, queuing theory, reliability theory, and statistical physics. Topics such as time series analysis are particularly welcome, either in the time or frequency domains, covering issues such as strong time dependence, duration models, long memory, and fractional integration and cointegration. This Special Issue may also incorporate theoretical articles as long as they report applications of the models investigated.

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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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