

# Special Issue

## Time Series Analysis: Methods and Applications

### Message from the Guest Editor

**Time series analysis** plays a crucial role in today's data-rich world. With growing applications in **finance, economics, healthcare, engineering, and public health**, it offers tools to understand and forecast complex dynamic systems. However, the rise of **high-frequency, large-scale, and heterogeneous data** presents major challenges such as **non-stationarity, high dimensionality, missing or noisy data, and structural shifts** in processes. This **Special Issue** welcomes high-quality contributions that advance both theory and application. We seek work on **nonlinear and robust methods, multivariate and functional time series, Bayesian and semiparametric approaches, stochastic process modeling, and forecasting under uncertainty**. Studies addressing real-world problems in **epidemic modeling (SEIRD/SEIRDV), risk management, longitudinal and survival data, industrial quality control, and interdisciplinary applications** are especially encouraged. Our goal is to foster innovation that **bridges methodological development with impactful real-world applications**.

### Guest Editor

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### Deadline for manuscript submissions

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## Mathematics

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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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### Editor-in-Chief

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