Special Issue

New Advances in Forecasting Rainfall with Time Series Model

Message from the Guest Editors

This Special Issue elicits new research on the methods used to forecast rainfall with time series models. The methods could include statistical, computational intelligence and numerical prediction. Typical rainfall forecasting is translated into single deterministic or an ensemble of short, intermediate, and long lead-time forecasts. Finally, in addition point forecasts, we need probabilistic forecasts of these models. Nevertheless, risk and uncertainty are central to forecasting and prediction. Nowadays, it is possible to combine all the information and sources of uncertainty into a predictive distribution for future values. This Special Issue will provide readers with up-to-date information on state-of-the-art methodology with perspectives of linking rainfall to meteorological forecasts. It will also foster discussion of innovative techniques, and studies on the following are invited in particular:

- Time Series Analysis
- Time Series Forecasting
- Evaluation of Forecasting Methods and Approaches
- Impact of Uncertainty on Decision Making
- Multivariate Time Series Modeling and Forecasting

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

The new open access journal *Forecasting* provides an interdisciplinary forum for all aspects related to the immensely broad field of time series analysis and forecasting. The range of applications in forecasting is enormous, from energy forecasting or economic analysis of stock indices prediction, climate forecasting, chemical or natural process forecasting, etc. It is the aim of the journal to publish relevant topical contributions for the scientific community of forecasting in a timely manner. We would like to invite you to contribute to the journal by sending us your high quality research papers and would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Sonia Leva
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indexed within Scopus, ESCI (Web of Science), RePEc, and other databases.

Journal Rank:

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 26.3 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).

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