

## Special Issue

# Predictive Intelligence with Machine Learning Techniques for Complex Forecasting

### Message from the Guest Editors

This Special Issue aims to investigate the use of machine learning (ML) techniques for forecasting as an alternative to the traditional techniques. Forecasting is an essential element of decision making in various fields, including (but not limited to) manufacturing, energy, supply chain management, and the environment. Forecasting is also widely practiced by businesses and organizations, as it helps them to plan for their needs and remain competitive in the market, and forecasting is considered to be essential to setting strategies, resource requirements, future activities, etc. Recently, the big data revolution has influenced researchers to pay attention to the use of big data to improve the forecasting process, resulting in the development of forecasting methods and techniques. Traditional time series prediction methods are unable to handle the complex nonlinear relationship of a large data set.

### Guest Editors

Dr. Walayat Hussain

Dr. Asma Alkalbani

Prof. Dr. Honghao Gao

### Deadline for manuscript submissions

closed (30 September 2022)



## Forecasting

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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.

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### Editor-in-Chief

Prof. Dr. Sonia Leva

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### Author Benefits

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), RePEc, and other databases.

#### Journal Rank:

JCR - Q1 (Multidisciplinary Sciences) / CiteScore - Q1 (Economics, Econometrics and Finance (miscellaneous))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 22.9 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).