Special Issue

Climate Change Impact Assessment: Forecasting, Uncertainty Analysis, and Sustainable Development

Message from the Guest Editors

The accelerated global warming due to anthropogenic activities is one of the greatest challenges worldwide. Climate change can result in prolonged drought, flooding, wildfires, tornados, wave heats, and altered hydrological cycles, imposing significant stress on both human society and the natural environment. Climate-related extremes over the past few decades have become more frequent and intense, highlighting the need to develop methodologies to forecast extreme events and adaptation plans to mitigate their subsequent effects on the economy, environment, and human welfare. This Special Issue contributes to the state of the art of forecasting and modeling climate-change-related events and policy analysis to ensure the sustainability of urban and natural systems. Topics of interest include but are not limited to:

- Forecasting, impact assessment, and uncertainty analysis of climate change-related events on atmosphere, lithosphere, hydrosphere, biosphere, and anthroposphere;
- Mitigation options and sustainable development policy analysis to reduce climate change impacts;
- Analysis of immediate and long-term climate change effects on human health and welfare.

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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

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