



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

Guest Editors:

**Dr. Ali Saber**

Department of Physical and  
Environmental Sciences,  
University of Toronto, 1065  
Military Trail, Toronto, ON M1C  
1A4, Canada

**Prof. Dr. Paolo Reggiani**

Department of Civil Engineering,  
University of Siegen, 57068  
Siegen, Germany

Deadline for manuscript  
submissions:

**closed (28 February 2023)**

### Message from the Guest Editors

Dear Colleagues,

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.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Sonia Leva**  
Department of Energy,  
Politecnico di Milano, 20156  
Milan, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [ESCI \(Web of Science\)](#), [AGRIS](#), [RePEc](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Multidisciplinary Sciences*) / CiteScore - Q1 (Decision Sciences (miscellaneous))

## Contact Us

---

Forecasting Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/forecasting](http://mdpi.com/journal/forecasting)  
[forecasting@mdpi.com](mailto:forecasting@mdpi.com)  
[X@forecast\\_MDPI](https://twitter.com/forecast_MDPI)