



Statistical Approaches in Climatic Parameters Prediction

Guest Editors:

Dr. Iqbal Hossain

Department of Civil and
Construction Engineering,
Swinburne University of
Technology, Melbourne 3122,
Australia

Dr. Abdullah Gokhan Yilmaz

Senior Lecturer, La Trobe
University, School of Engineering
and Mathematical Sciences,
Victoria 3552, Australia

Deadline for manuscript
submissions:

closed (31 October 2023)

Message from the Guest Editors

Statistical methods are commonly applied to obtain insight from underlying data and detecting useful evidence for making informed decisions. The current climate system and potential future changes are investigated through statistical analysis. Moreover, statistical methods are key tools for the production of effective and sustainable solutions to the climate crisis. As a result, numerous statistical techniques are developed and adopted to predict the climatic parameters.

To cover the progress in statistical techniques in forecasting climatic parameters, the open-access journal *Atmosphere* is hosting a Special Issue titled 'Statistical Approaches in Climatic Parameters Prediction'. The aim of this Special Issue is to provide recent advances in statistical techniques for climatic parameters prediction. This topic comprises numerous probabilistic and statistical approaches and multivariate methods including extreme value analysis of climatic parameters (e.g., rainfall, temperature). The topic is also highly relevant to different engineering applications, such as flood and drought assessment, and the adoption of appropriate construction techniques.





Editor-in-Chief

Prof. Dr. Ilias Kavouras

Environmental, Occupational,
and Geospatial Health Sciences,
CUNY School of Public Health,
New York, NY 10027, USA

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Author Benefits

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

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.

Journal Rank: CiteScore - Q2 (*Environmental Science (miscellaneous)*)

Contact Us

Atmosphere Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/atmosphere
atmosphere@mdpi.com
[X@Atmosphere_MDPI](https://twitter.com/Atmosphere_MDPI)