Atmospheric Data Prediction Using Statistical, and Machine Learning Approaches of Artificial Intelligence

Guest Editor:

Dr. Sunil Jha
Adani Institute of Infrastructure Engineering, Adani University, Ahmedabad 382421, Gujarat, India

Deadline for manuscript submissions:
closed (31 October 2023)

Message from the Guest Editor

Dear Colleagues,

The statistical and machine learning (ML) approaches of artificial intelligence (AI) methods have been successfully implemented in the predictive applications of several domains of Science and Engineering in recent years. The ML algorithms of AI are vital components for the development of an automated, accurate, and robust prediction system after analysis of the data for the specific application. The ML algorithms of AI are useful in the prediction requirements of atmospheric data, including atmospheric rive prediction, risk prediction of atmospheric emissions, turbulence, and hazard prediction, class prediction of atmospheric circulation pattern, prediction of geothermal heat flux, air quality monitoring, rainfall prediction, atmospheric aerosol prediction, global weather prediction system, prediction of the influence of atmospheric parameters on human health, etc.

mdpi.com/si/159255

Special Issue

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