

Special Issue

Precipitation Prediction from a Dynamic Perspective

Message from the Guest Editor

Predicting precipitation from a dynamic perspective requires adopting dynamic system theories after examining the evolvement of weather patterns over time. The aim is to forecast precipitation by considering the complex interactions between different climate variables and their dynamic changes. Consequently, numerous models on precipitation prediction have been developed incorporating climatic variables. The progress made in the dynamics of precipitation forecasting will be explored in the open-access journal *Atmosphere*, which is hosting a Special Issue entitled "Precipitation Prediction from a Dynamic Perspective". The aim of this Special Issue is to provide details of recent advancements in precipitation dynamics adopting non-linear modelling techniques that account for the role of large-scale atmospheric processes. This topic comprises numerous linear and non-linear modelling approaches and multivariate methods, including the extreme value analysis of precipitation. This topic is also highly relevant to different engineering applications, such as the design of stormwater infrastructure, flood and drought assessments.

Guest Editor

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Deadline for manuscript submissions

30 November 2025



Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 4.9



mdpi.com/si/235870

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About the Journal

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!

Editor-in-Chief

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