Special Issue

New Perspectives in Climate Modelling and Forecasting

Message from the Guest Editors

Climate models are widely used to understand and predict the evolution of the climate system. They use quantitative methods to simulate the interactions of the important drivers of climate, including astronomical conditions as well as atmosphere, oceans, land surface and ice. Although climate models have been improving in accuracy and efficiency over the past few decades, they still represent a complex endeavor and, due to the large number of involved processes and the interactions among them, spread across climate projections for given future scenarios persist. For these reasons, there is an urgent need to improve their accuracy to provide more confident assessments of the future risks associated with both natural climate variability and human-induced climate change. Therefore, we welcome the submission of papers covering any aspects of the application of climate models and achievements in accuracy improvement in climate modelling.

Guest Editors

Prof. Dr. Salvatore Magazù

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Dr. Maria Teresa Caccamo

Prof. Dr. Hyo Choi

Deadline for manuscript submissions

closed (15 July 2023)

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About the Journal

Message from the Editor-in-Chief

Climate (ISSN 2225-1154) was established in 2013 to provide an open-access outlet for innovative research, review articles, new direction papers, and short communications relevant to all disciplines related to climate at all scales. The journal encourages papers ranging from climate change detection and attribution and Earth system modeling to ecosystem, hydrologic, and socioeconomic impacts and climate mitigation and adaptation measures. The influence of *Climate* is strong and growing (IF 3.2 in 2024, CiteScore 5.7 in 2024).

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