

Special Issue

Climate and Weather Extremes

Message from the Guest Editor

Extreme weather and climate events are responsible for a huge number of fatalities, injuries, and damages, having high economic costs and a profound impact on both human society and the natural environment. In addition, knowledge of the regime of weather and climate extremes is fundamental to assess how much and how quickly the world's climates are changing. Therefore, this Special Issue is devoted to the events located on both tails of the historical distribution of all climate elements (i.e., very high and very low values of precipitation, air temperature, air humidity, pressure, wind, solar radiation, etc.). Articles on all aspects of the assessment and analysis of weather and climate extremes are welcome, including: observation, detection, and monitoring; processes of creation, development, and extinction; external factors/drivers and internal mechanisms; space-time distribution and natural/forced variability at various scales; current and future regimes (e.g., frequency, periodicity and intensity);

Guest Editor

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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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