



climate



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Climate and Weather Extremes

Guest Editor:

Dr. Mário Gonzalez Pereira

Department of Physics, University
of Trás-os-Montes and Alto
Douro, Quinta de Prados, 5000-
801 Vila Real, Portugal

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Message from the Guest Editor

Dear Colleagues,

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);



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Special Issue