



Water-Related Hazards and Climate Change

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Deadline for manuscript
submissions:

closed (25 June 2021)

Message from the Guest Editors

This Special Issue will be focused on all aspects of extreme hydro-climate conditions including, but not limited to, hydrometeorology, atmosphere, and hydrology (from local to watershed) under various scales. Studies on all manner of the modeling, forecasting, assessment, and analysis of hydro-climate extremes are welcome, including estimation of extreme events by means of modeling, monitoring, and sensors; forecasting and warning technologies for extreme hydro-climate conditions; early identification of a range of natural disasters such as drought, floods, flash-floods, landslides, avalanches, serious cases of hail damage, and external and internal mechanisms; assessment and projection of historical and future regimes (climate change scenarios, CIMIP5, CIMIP6); interaction between atmospheric and hydrologic systems; impacts and changes on natural systems, social systems, and economies. Studies may also consider evacuation, vulnerability and recovery, and mitigation and adaptation strategies for extreme hydro-climate conditions.





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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!

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Journal Rank: CiteScore - Q2 (*Environmental Science (miscellaneous)*)

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