Special Issue

Drought and Precipitation Extremes

Message from the Guest Editors

Drought and extreme precipitation cause significant losses to society and economy around the world. The understanding of both types of events is lacking as it can be caused by different atmospheric circulation anomalies and events and highly variable in temporal and spatial scales. Besides, both drought and heavy rainfall go hand in hand, when the first occurs in one region, other area is affected by the second. In this way, both droughts and extreme precipitations are going to intensify as the global climate change unfolds in this century. Understanding the mechanisms of drought and extreme precipitation, either in historical records, observation, or future climate projections through statistical methods and modeling, is critical for stakeholders to prepare for such events and provide resilient responses. We invite all manuscripts related to the causes and characteristics of drought and extreme precipitation events, the analyses of historical drought and extreme precipitation events, the modeling and climate projections, seasonal and subseasonal forecast of drought and extreme precipitation and procedures and methods to mitigate the negative impacts of drought/precipitation.

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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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