



Drought and Precipitation Extremes

Guest Editors:

Dr. Zhenhua Li

Global Institute for Water
Security, University of
Saskatchewan, Saskatoon, SK
S7N 5A2, Canada

Dr. Tomeu Rigo

Servei Meteorologic de
Catalunya, 08029 Barcelona,
Spain

Dr. Ya Huang

College of Oceanography, Hohai
University, Nanjing 210098, China

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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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Editor-in-Chief

Prof. Dr. Ilias Kavouras

Environmental, Occupational,
and Geospatial Health Sciences,
CUNY School of Public Health,
New York, NY 10027, USA

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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Contact Us

Atmosphere Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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