Special Issue

Advances in Drought Monitoring, Simulation and Prediction

Message from the Guest Editors

Drought is a destructive natural hazard with significant impacts on agriculture, water supply, food security and even human health. While (low) precipitation and (high) temperature are the two fundamental contributory factors to any drought, the importance of soil moisture, evaporation, transpiration, runoff, and other related factors and indices cannot be ignored. Over the last few decades, many exciting advances have been made around the world in monitoring, detection and forecasting of drought, including the more recent use of neural networks, machine learning and modern artificial intelligence methods incorporating the many new available drought relevant data sets. In this new Special Issue of the journal Atmosphere from MDPI (Multidisciplinary Digital Publishing Institute), the pioneer in open access journals, we are looking forward to receiving original papers that document “Advances in Drought Monitoring, Simulation and Prediction". Submissions will appear in publication upon peer review. We hope that this Special Issue, upon completion, will showcase the state of the art in drought research from authors around the world.

Guest Editors

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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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