



Joint Disasters of High Temperature and Drought

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Message from the Guest Editors

Dear Colleagues,

Under the background of global warming, joint disasters of high temperature and drought occur frequently, resulting in serious regional disaster events and posing a threat to economic development and human survival. There are many studies on extreme temperatures and drought, and studies based on circulation and external forcing have increased our understanding of these extreme disaster events. However, the research on joint disaster events is still limited. In what state does the persistence of high temperatures transform into drought events, and does long-term drought induce extreme high temperature events? When high temperature and drought occur simultaneously, what is the formation mechanism and what are the prediction and early warning methods?

This Special Issue is expected to arouse people's interest in joint disasters of high temperature and drought events through research on mechanisms, early warning and prediction, and joint disaster prevention and mitigation.

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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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