Special Issue

Precipitation and Climate Change: Accomplishments and Challenges

Message from the Guest Editor

Precipitation is the major component of the hydrological cycle, and is a commonly used variable for climate change studies, as a small change in precipitation may have catastrophic consequences to society and the environment. The investigation of the impact of climate change on precipitation-related hazards has therefore seized a vast portion of international attention, in order to take action and address its impact in future policy making. Despite numerous studies and recent achievements in climate modeling and impact assessment, significant challenges and concerns remain. This Special Issue aims to advance our understanding of the past and future climate change impacts on precipitation climatology, as well as extremes on both regional and global scales.

Guest Editor

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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!

Editor-in-Chief

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