

## Special Issue

# Assessing Hydrological and Environmental Impacts of Climate Change

### Message from the Guest Editors

Climate and hydrological modeling are required to explore the effects of climate changes on spatiotemporal patterns of climatological and hydrological regimes. It can scientifically advance our understanding of how a changing climate will affect the intertwined climate system and water cycle. The research advances are expected to provide scientific bases for initiatives, policies, strategies on adaptation and mitigation of climate change at global, regional, and local scales within multiple sectors. For this Special Issue, we seek the state-of-the-art research advances in the development of climate and hydrological projections based on global climate models (GCMs), regional climate models (RCMs), statistical downscaling methods, and hydrological models; assessment of climate change impacts on atmospheric regimes and the water cycle, as well as their socioeconomic and environmental implications on multiple sectors; adaptation planning and mitigation strategies for addressing the tremendous risks as posed by climate change.

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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!

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### Editor-in-Chief

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