Special Issue

Arctic Climate Change: Observations, Modeling, and Arctic Amplification

Message from the Guest Editors

The Arctic have undergone climate change at a more rapid pace than the rest of the globe. Simultaneously, Arctic climate change affects weather and climate variability all over the world. Therefore, the Arctic is a particular region of concern when addressing the issue of climate change. As such, we are organizing a Special Issue that aims to address the latest research results obtained in the observation and modeling of the Arctic at various time scales. We welcome the contribution of articles that attend to the observation and modeling of the Arctic from the following perspectives: the atmosphere (surface temperature, snow amount/extent), glacial change, sea ice, Arctic amplification, the application of remote sensing, observations, and simulation results from CMIP models.

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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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