

Special Issue

Perspectives in Tropical Climate Variability and Related Effects

Message from the Guest Editors

Tropical climate variability exerts significant socio-economic and environmental impacts on a global scale. Due to global warming, the tropical climate will experience significant changes in feature, interaction with other latitudes and climate impact. The laws of the past may no longer apply. Given these significant impacts, critical questions include how tropical climate variability has changed in recent decades and in the future, and what the underlying process, mechanism and climate impact are. This Special Issue will cover all topics related to tropical climate variability and related effects and intends to enhance our current understanding and prediction of tropical climate variability in the changing climate. The main topics of interest include (1) ENSO and pantropical climate interactions, (2) major climate oscillations including the MJO and Boreal Summer Intraseasonal Oscillation (BSISO), (3) interactions between tropical and extratropical variability and (4) tropical extreme weather/climate. Contributions discussing related topics that are still of interest in the field of the tropical climate variability are also welcome.

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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