



Ocean–Atmosphere–Land Interactions and Their Roles in Climate Change

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Message from the Guest Editors

This Special Issue invites contributions describing ocean–atmosphere–land interactions and their response to climate change. Of special interest are the processes of ocean–atmosphere dynamics and numerical simulation methods, extreme weather events caused by climate change, relevant mechanisms, and the response of the marine environment to climate change. The subjects can also include the coupling mechanisms between land surface hydrology and climate (including the impacts of climate change on hydrology and water resources; river geomorphological processes in response to global climate changes; and changes in river runoff, water and sediment under the influence of climate change). Observations, analyses, and numerical experiments and predictions of the ocean, atmosphere, and land surface processes (hydrology, soil, ecology, etc.) are also welcome.





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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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