

Special Issue

The Role of the Tibetan Plateau in the Climate System

Message from the Guest Editor

As a key region in the global energy and water cycle, climate change on the Qinghai–Tibet Plateau has a significant impact on climate and environment change on the plateau itself and its surrounding areas. Further understanding of the plateau climate change law, assessment and prediction of future trends, in order to serve the global ecological environment protection and the building of a community with a shared future for mankind, have become the main contents of climate change research on the Qinghai–Tibet Plateau. The Tibetan Plateau may be a new critical element of climate in an active state. The Qinghai–Tibet Plateau and other critical elements (e.g., climate-sensitive areas such as the Amazon rainforest) show significant tele-contribution characteristics. Studying possible chain reactions between tipping points is a key scientific issue. This Special Issue focuses on the Tibetan teleconnections among tipping elements in the Earth system, the observed changes in climate and their effects over the Tibetan Plateau, and the variation characteristics, mechanism and projection of extreme precipitation over the Tibetan Plateau.

Guest Editor

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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

Dr. Daniele Contini

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