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Land-Atmosphere Interactions over the Tibetan Plateau

Guest Editor:

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Deadline for manuscript submissions:
closed (31 October 2023)

Message from the Guest Editor

The scope of this Special Issue covers a wide range of topics, including observation and modeling of land-atmosphere interactions, the impact of land use change on the atmospheric environment, and feedback mechanisms between land surface processes and atmospheric circulation. Contributions related to the impact of climate change and human activities on the land–atmosphere interaction at the Tibetan Plateau are also welcome.

The purpose of this Special Issue is to provide a platform for researchers to share their latest discoveries and innovative methods for studying land–atmosphere interactions on the Tibetan Plateau. This Special Issue aims to promote interdisciplinary research by combining observations, modeling, and theoretical understandings of land–atmosphere interactions. The SI will also help to develop better climate models and promote the importance of the Tibetan Plateau in global climate models to policy makers and stakeholders. Overall, this Special Issue aims to deepen our understanding of the complex interactions between the land surface and atmosphere of the Tibetan Plateau and their impact on global climate change.

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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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