Special Issue

The Qinghai–Tibet Plateau: Its Climate/Ecology and Its Impact on Global Climate/Ecology

Message from the Guest Editors

The Qinghai–Tibet Plateau, known as the "Third Pole of the World," the "Water Tower of Asia," and the source region of China's major rivers, plays a pivotal role in shaping both regional and global climate and ecological systems. Its dynamic and thermal effects significantly influence the East Asian monsoon and regional weather patterns, and may even contribute to broader impacts on global climate and ecosystems. While many studies have explored these influences, continued research is essential to deepen our understanding of the Plateau's complex role in Earth system dynamics. In light of growing concerns about ecological degradation and climate change in the region, both local governments and the international community have placed increasing importance on environmental protection and the sustainable development of the Plateau. This Special Issue aims to promote research on the climate and ecology of the Qinghai–Tibet Plateau, as well as its impacts on global climate and ecological systems, particularly in the context of 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!

Editor-in-Chief

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