



Atmosphere and Surface Hydrothermal Factors

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Message from the Guest Editors

The atmosphere is essential for Earth's climate, which is a global concern and widely recognized in both the scientific community and among the lay public. Surface hydrothermal factors are sensitive to the climate, and play an important role in the physical and biochemical processes of soil, as well as the energy exchange system. They directly affect the roots of plants, and have an important impact on the germination of plant seeds and the growth of plants. In modern times, the sources and sinks of atmospheric components are under dynamic change, causing the previous spatio-temporal pattern of radiation balance and surface hydrothermal factors to be disrupted and possibly come to a new balance, which must be carefully studied.

The goal of this Special Issue is to discuss the spatio-temporal pattern of surface hydrothermal factors and atmospheric components in the context of climate change. Therefore, we cordially invite our colleagues in the scientific community to submit their exciting findings to our recently released Special Issue of *Atmosphere* which relates to "Atmosphere and Surface Hydrothermal Factors".





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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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