



Atmosphere–Land Interactions over the Amazon

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Message from the Guest Editors

The Amazon region plays a crucial role in the global climate system, as it is a significant source of atmospheric water vapor and a large carbon sink. The interaction between the atmosphere and the land surface in this region is highly complex and dynamic, influenced by a range of factors, including vegetation cover, soil moisture, and atmospheric circulation patterns.

This Special Issue brings together the latest research on atmosphere–land interactions over the Amazon, focusing on the complex interplay between the atmosphere and the land surface. The contributions in this Special Issue cover a wide range of topics, including the role of land use change on atmospheric dynamics, the impacts of climate variability on the water and energy cycles of the region, and the influence of atmospheric circulation patterns on vegetation growth and carbon uptake.

The research presented in this Special Issue showcases the latest advances in our understanding of the complex dynamics of the Amazon region, highlighting the critical role of atmosphere–land interactions in shaping the climate and ecosystems of this region.





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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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