



Cloud Radiative Processes and Effect

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Clouds largely modify the radiation budget, both in the solar and thermal spectral ranges, and thus play a fundamental role in the Earth's climate state and adjustment to climate forcing. To this end, it is essential to understand the cloud radiative processes and forcing or effects. This Special Issue invites original new contributions on cloud radiative transfer modeling and observations, especially on the role of cloud heterogeneity cloud microphysics variability, and cloud–aerosol interactions.

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Guest Editor





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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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