



## Recent Developments in Remote Sensing Instruments, Technologies, and Results for Aerosol and Cloud Measurements

Guest Editor:

**Prof. Dr. Matthew McGill**

Department of Chemical and  
Biochemical Engineering,  
University of Iowa, Iowa City, IA  
52242, USA

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### Message from the Guest Editor

Clouds are the primary modifier of the Earth's surface temperature. Aerosols also provide a modulating effect on the Earth's temperature. Acting as cloud condensation nuclei, aerosols provide sources for cloud formation, leading to complex interactions between clouds and aerosols that are still poorly understood. This Special Issue will publish papers highlighting emerging concepts, new instruments and technologies, and scientific results related to remotely sensed measurement of clouds and aerosols in the Earth's atmosphere.

The Special Issue will highlight the following topics:

- Emerging concepts that can provide improved measurements and understanding of cloud and aerosol processes in the Earth's atmosphere;
- Recent sensor and technology developments that enable new or enhanced measurements and understanding of cloud and aerosol properties including distributions, radiative properties, and interactions;
- Original scientific results from analysis of data, with emphasis on (1) diurnal variability of clouds and aerosols, (2) application of advanced machine learning techniques, and (3) synergy of active and passive remote sensing techniques.





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## Message from the Editor-in-Chief

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*Remote Sensing* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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