



Aerosol and Cloud Properties Retrieval by Satellite Sensors

Guest Editor:

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Message from the Guest Editor

The characterization of aerosol and cloud properties is fundamental for weather forecast and climate and environmental sciences. Remote sensing from satellite allows to obtain information on global and regional scales that perfectly complement ground-based retrievals, with more limited and irregular spatial distribution. Great efforts have been performed in recent years to improve satellite sensors and retrievals algorithms to quantify and characterize clouds and aerosols, but it remains a challenging research field.

This Special Issue calls for contributions that develop new retrieval techniques for cloud and aerosol detection and the estimation of optical and physical properties, such as optical depth. Comparisons between satellite sensors, as well as ground-based observations are also invited, with special emphasis on the validation of satellite products. Review papers compiling the current state-of-the-art and the availability of datasets with cloud and aerosols properties are highly welcomed.





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