



Remote Sensing of Land–Atmosphere Interactions

Guest Editor:

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Deadline for manuscript
submissions:

closed (20 October 2022)

Message from the Guest Editor

This Special issue highlights the use of remote sensing to quantify and understand land–atmosphere interactions. We invite articles that integrate remotely sensed data with other techniques, including modeling and fieldwork to document interactions and feedbacks in the land–atmosphere system.

Potential topics could include but are not limited to applications in remote sensing related to:

- Measurement of land–atmosphere fluxes;
- Quantification of moisture and trace gases in the atmosphere: ground- and satellite-based methods;
- Active and passive methods for measuring atmospheric properties and processes;
- Impacts of land use on atmospheric circulation, trace gases, and/or precipitation;
- Integration of remote sensing and modeling;
- Use of remote sensing to map trace gas isotopic composition;
- Interactions between climate and land–surface fluxes;
- Feedbacks between vegetation, soil moisture, and atmospheric processes;
- Use of big data platforms (e.g., Google Earth Engine) and machine learning algorithms for quantification of land–atmosphere interactions.





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Message from the Editor-in-Chief

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