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Remote Sensing of Land–Atmosphere Interactions

Guest Editor:

Prof. Dr. Trent W. Biggs
Department of Geography, San Diego State University, San Diego, CA 92182, USA

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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Editors-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

Prof. Dr. Dongdong Wang
Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

Message from the Editorial Board

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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Contact Us

Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
𝕏@RemoteSens_MDPI