

Special Issue

Atmospheric and Surface Modeling, Data Assimilation, and Forecasting of Remote Sensing

Message from the Guest Editors

This Special Issue calls for papers addressing the developments of the modeling components for observations sensitive not only to the atmosphere, which is often well represented by existing models, but other Earth system components (e.g., ocean, sea ice, snow, land, atmospheric composition). It also addresses shortcomings in the models that fast models are trained on, such as line-by-line transmittance models, and in the models that are used for computing particle scattering and absorption. Suggested articles for submissions will consist of full-size papers documenting research pertaining to the following themes:

- Fast and accurate radiative transfer schemes;
- Atmospheric scattering and emission related to aerosols, clouds, and precipitation;
- Surface reflectivity and emissivity modeling;
- Applications of radiative transfer models in data assimilation and remote sensing.

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2022)



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Message from the Editor-in-Chief

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.

Editor-in-Chief

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