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Remote Sensing of Carbon Fluxes and Stocks

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Deadline for manuscript submissions:
closed (30 November 2022)

Message from the Guest Editors

Dear Colleagues,

Much concern has been raised regarding the extent to which rapid climate change and human activities affect ecosystem function and services. Quantifying carbon fluxes and stocks is essential for helping us understand the responses of terrestrial ecosystems to climate change and anthropogenic activities. Remote sensing observations are valuable for estimating carbon fluxes and stocks of terrestrial ecosystems and for assessing the impacts of the changing climate and anthropogenic drivers on the terrestrial carbon cycle at various spatial and temporal scales.

Specifically, we invite the following contributions based on various remote sensing data:

- Estimating carbon fluxes at a variety of spatiotemporal scales;
- Estimating aboveground biomass at different spatial scales;
- Quantifying errors and uncertainties of carbon flux and/or stock estimates;
- Assessing interannual variability and long-term trends of carbon fluxes and/or stocks;
- Examining the terrestrial carbon cycle integrating remotely sensed data and modeling approaches;
- Understanding the carbon–climate feedbacks at regional to global scales.

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Special Issue

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Editor-in-Chief

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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.

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