



Remote Sensing of the Terrestrial Carbon Cycle

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Message from the Guest Editors

Modern climate change and human activity have a strong impact on terrestrial ecosystems that lead to changes in ecosystem structure and functioning.

The aim of this Special Issue is to bring together the most recent achievements in the study of water and carbon budgets and GHG fluxes of terrestrial ecosystems using remote sensing data.

We invite scientists working in satellite and UAV remote sensing, atmospheric physics, forest ecology, mathematical modeling, meteorology, biogeochemistry, ecology to contribute new aggregated remote sensing and field studies of greenhouse fluxes and water and carbon budgets on different spatial scales.

Contributions may include remote sensing studies of vegetation properties, surface carbon budgets and GHG fluxes of terrestrial ecosystems; the effects of atmospheric hazards on terrestrial ecosystem structure and functioning using remote sensing and in situ data analysis; development of new methods to retrieve the main components of carbon budget and GHG fluxes in terrestrial ecosystems from remote sensing data; spatial *forest* and wetland assessment and mapping *using remote sensing* data and techniques; etc.





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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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