Special Issue

Remote Sensing Application in the Carbon Flux Modelling

Message from the Guest Editors

Climate changes and global warming have been threatening the Earth's sustainable environment and attracting considerable attention from international agencies and scientists. Facing such challenges, we must reduce the emissions of GHGs from human activities and/or enhance carbon sequestration using engineering and ecological approaches. Measuring/quantifying carbon emissions and sequestration is a crucial step in understanding the trajectories of carbon cycling and estimating the content of atmospheric CO2 in the future. Remote sensing can be used to retrieve essential datasets required to explore carbon flux dynamics at various scales based on advanced geospatial models. This Special Issue will especially focus on novel studies on remote sensing technology and geospatial models that account for and model carbon emissions from households and industrial practices, as well as carbon sequestration (through vegetation photosynthesis) in ecosystems. We also aim to assess the impact on carbon cycling in the future by controlling emissions from human activities and improving carbon sequestration via optimized ecosystem management.

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Deadline for manuscript submissions

closed (30 October 2025)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/180536

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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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