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Remote Sensing of Land Surfaces: Observation, Modeling, and Data Assimilation

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Message from the Guest Editors

In recent years, the field of remote sensing has experienced significant advancements, profoundly enhancing the ability to observe, model, and understand the land surface. For example, satellite, airborne, and ground-based sensors, etc., can provide comprehensive, high-resolution, and continuous data across wide areas, as well as capture the dynamic and heterogeneous nature of land surfaces. At the same time, integrating remote sensing observations with modeling and data assimilation further enhances the ability to interpret and utilize land surface information. Combining observational data with numerical models provides accurate and coherent representations of land surface processes, which is also important for improving predictive models and resource management.

This Special Issue aims to showcase the latest research on the observation, modeling, and data assimilation of land surface process using remote sensing technologies, hopefully benefitting researchers, practitioners, and policymakers interested in this topic. All original research articles, review papers, technical notes, and case studies on this topic are welcomed.

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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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