Special Issue

Remote Sensing of Surface BRDF and Albedo

Message from the Guest Editors

Surface albedo is a key parameter in the surface energy balance and has been identified as a primary essential climate variable (ECV) that can be used as a diagnostic tool for local climate change, land cover change, etc. The traditional estimation method of surface albedo usually relies on a bidirectional reflectance distribution function (BRDF) reconstructed from multi-angular reflectance, and a direct estimation method based on prior information has also been developed and widely used. However, previous studies mostly dealt with medium-resolution sensors that can capture multi-angular observations, and high-resolution albedo estimation still meets the challenge of lacking multi-angular measurements.This Special Issue aims to bring together research on remote sensing of surface BRDF and albedo regarding algorithms, measurements, simulations, variance analysis, and applications. Original research as well as review articles and short communications with a particular focus on remote sensing of BRDF and albedo of various surfaces including vegetation, soil, snow, ice and oceanic surface are welcome for submission.

Guest Editors

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Deadline for manuscript submissions

closed (24 December 2024)

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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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