



Remote Sensing of Surface BRDF and Albedo

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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.





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Message from the Editor-in-Chief

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