Special Issue

Remotely Sensed Land Surface Processes

Message from the Guest Editor

Land surface processes are complex processes that occur at the interface between the land surface and atmosphere. These processes include energy and mass exchange between the land surface and the atmosphere, which determines global and local climate at different scales, e.g., urban surface energy balance determines the urban climate, or glaciers/surface energy balance determines changes in glacier mass and the water balance at a regional scale. With the rapid development of remote sensing technology, different kinds of remote sensing data are available, e.g., different spatial and time resolutions and different spectral sampling and coverages. The assimilation of remote sensing data into different numerical land surface process models shows that remote sensing can provide useful information for numerical modelling and reduce biases. New schemes on the surface energy balance, adapted to use remote sensing data, have also been developed and the applications of remote sensing in land surface processes has grown rapidly in different research fields dealing with, e.g., the cryosphere, forests, agriculture, and urban areas.

Guest Editor

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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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