

Special Issue

Remote Sensing for Distributed Hydrologic Models: New Satellite Data, Model Parametrization and Spatial Metrics to Calibrate and Evaluate Models

Message from the Guest Editors

In this special issue of *Remote Sensing* we aim to collect contributions integrating satellite based remote sensing data into distributed hydrologic models using suitable or new spatial performance metrics (such as SSIM and SPAEF etc.) to evaluate spatial pattern agreement of satellite based estimations and hydrological predictions. Reviews and case studies reporting recent advancements in spatial metrics and remote sensing for precipitation, land surface temperature, actual evapotranspiration estimation, soil moisture, snow coverage, terrestrial water storage (MODIS, AMSR-E, Sentinel, SMOS, SMAP, GRACE etc.) are welcome. We are particularly interested in how satellite based data can improve spatial-temporal behavior of distributed hydrologic models and how they can be used in calibration and validation of hydrologic models. Also we aim to attract novel approaches for parameter regionalization and model parametrizations adding flexibility to the model structures to fit their outputs to the remote sensing data.

Guest Editors

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About the Journal

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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