Special Issue

SAR Remote Sensing of Arid Regions

Message from the Guest Editors

Thanks to the Sentinel-1 mission, high-resolution synthetic aperture radar (SAR) remote sensing data with high temporal and spatial resolution have become freely available for almost all regions of the earth, providing complementary information to optical remote sensing systems. This extensive data archive and the planned continuation of the mission open up new perspectives for the analysis of land surface dynamics, especially in arid landscapes, and offer a high potential for physiogeographic research. For this Special Issue, contributions are sought which demonstrate applications of radar remote sensing to problems in physical geography and geomorphology, especially for hyper-arid, arid, or semi-arid regions. We welcome contributions from all physical–geographical research using data from radar remote sensing systems. The focus can be, but is not limited to: the fusion of optical and radar data in mapping and classification of the land surface, the derivation of motion rates and surface changes by feature tracking and/or interferometry, coherence and/or amplitude change detection, and the identification/quantification of morphological dynamics by time series analysis.

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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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