Special Issue

Remote Sensing in Dryland Assessment and Monitoring

Message from the Guest Editors

Drylands support humans through diverse land use systems, provide ecosystem services of global importance and harbor exceptional levels of biodiversity. Remote sensing applications in such environments are hampered by complex and often heterogeneous landscape mosaics, a comparably low signal level in combination with high inter-and intra-annual variations, and highly variable availability of optical data reflecting dry and wet seasons. On top of this, seasonal fire regimes add additional challenges in interpreting the signal. At the same time, there is an unprecedented number of sensor systems from the optical and radar domain. This Special Issue therefore aims at providing a platform for the most recent advances in suitable indicators, appropriate time series analysis techniques and strategies to integrate these into assessment and monitoring concepts, where case studies should demonstrate their potential for transferability. We explicitly encourage submissions that showcase the potential of novel sensor systems for advanced assessments and how these may be interfaced with existing archives for long-term and large-area monitoring.

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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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