

Special Issue

Ecosystem Protection in Arid and Semi-Arid Regions Supported by Multi-Source Remote Sensing Data

Message from the Guest Editors

The widespread existence of natural and anthropogenic dryland ecosystems in arid and semi-arid regions is the key to mitigating desertification and desertification threats in this region and to addressing global climate change.

At present, the development of remote sensing science and technology provides a broader perspective for the study of ecosystem structure and function in arid areas. This special issue focuses on the multi-scale structure and ecological function changes of various ecosystems in arid and semi-arid areas supported by multi-source remote sensing data. The main research fields include high-precision inversion and mapping of ecosystems in arid and semi-arid areas supported by multi-source remote sensing image data, and the multi-scale structure characteristics of ecosystems in arid and semi-arid areas and their interaction mechanisms with ecosystem functions. Evolution law and driving mechanism analysis of ecosystem structure and function based on long time series remote sensing data, application of machine learning, GEE and other remote sensing technologies in ecosystem research in arid and semi-arid areas.

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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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