Special Issue

Land and Soil Health Assessment and Monitoring Based on Remote Sensing

Message from the Guest Editor

One important application of remote sensing is in the assessment of land and soil health, particularly considering the increasing levels of environmental degradation globally and the many challenges facing agriculture and the global food system in general. Remote sensing has the potential to provide spatially explicit assessments of a range of different indicators used in assessing land and soil health, also reflecting the dynamics of these indicators over time. This Special Issue focuses on applications of remote sensing in assessing land and soil health across multiple spatial scales. We encourage submissions covering topics such as the following:

- Use of remote sensing in mapping and monitoring of functional soil properties, such as soil organic carbon (SOC)
- Remote sensing-based assessments of land degradation processes
- Use of machine learning and artificial intelligence in the context of the remote sensing-based assessment of land health, including applications in biodiversity and conservation
- Applications of multi-source remote sensing data fusion in assessing spatiotemporal dynamics of key land health indicators

Guest Editor

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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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