Special Issue

Remote Sensing Applications in Land Use and Land Cover Monitoring

Message from the Guest Editors

Research in land use and land cover (LULC) change at a global scale has become important with the increased human intervention impacting the use of natural resources as well as future changes associated with it. LULC changes are also becoming increasingly dominant in environment and climate change studies. Moreover, the influence of LULC changes on various factors, such as alterations in the hydrological processes, ecosystems, climate, urban areas, etc., has been the focus of many research works for years.

This SI is aimed at collecting methodological contributions and land use modeling using various RS techniques and emphasizing the integration of LULC change with other associating factors. The main focus areas include (but are not limited to):

Remote sensing and in situ observation and land use change; Use of hybrid data and methodology for high LULC accuracy; Land use degradation and land suitability; Machine learning algorithms using satellite data; Climate change impact on LULC/agriculture and future projection; Application on agriculture, forest, water resources, urban area studies, etc.; Integrated LULC–hydrology–crop production.

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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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