Special Issue

Land Cover Change Detection and Mapping Based on Remote Sensing and Artificial Intelligence

Message from the Guest Editors

Land cover mapping is an essential part of the earth's ecosystem, which has an important influence on ecological environment monitoring, carbon cycle simulation, climate change, and so on. Current land use mapping is difficult to meet the needs of land delicacy management in terms of spatial scale, data accuracy, and mapping means. With the development of big data and remote sensing, land cover data can be obtained by using MODIS, Landsat, and other satellite data besides ground measurement. However, the accuracy and reliability of data acquired based on a single method and single source are not high. The artificial intelligence methods represented by machine learning and deep learning provide abundant data sources and new technical means for urban land use fine mapping. The main goal of this Special Issue is to provide a scientific platform to discuss recent advances in the application of remote sensing and artificial intelligence techniques in land cover mapping. Papers of both theoretical and applicative nature, as well as contributions regarding new advanced artificial learning and data science techniques for the remote sensing research community, are welcome.

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Deadline for manuscript submissions

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Message from the Editorial Board

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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