Special Issue

Mass Movement and Soil Erosion Monitoring Using Remote Sensing

Message from the Guest Editors

Mass movements (e.g., cliff collapses, soil creeps, mudflows, landslides, etc.) and soil erosion (e.g., coastal erosion, etc.) are severe forms of natural disasters that occur in mountainous terrain as well as in coastal areas and are subject to specific geological, geomorphological and climatological conditions, as well as human activities. It is a challenging task to accurately define the position, type, and activity of mass movements for the purpose of creating inventory records and continuous monitoring. High and moderate resolution remote sensing data, such as Quickbird, Worldview 3, LiDAR, SPOT 5, Google Earth Engine, etc., with the aid of Geographic Information System tools, offer state-of-the-art investigations in identifying mass movements and soil erosion and modeling surface processes for hazard monitoring. Advanced state-of-the-art image processing techniques, using pixel-based and object based image analysis (OBIA) based on data mining, machine learning, deep-learning and ensemble models, can be used to identify and monitor these mass movements and soil erosion features.

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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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