Special Issue

Quantifying Landscape Evolution and Erosion by Remote Sensing

Message from the Guest Editors

Quantifying landscape evolution and erosion are two of the hot topics in present-day geomorphological and active tectonic research. In this regard, remote sensing has experienced a great development in the last years providing one of the main tools to get information about the present-day topography and active processes. Worldwide Digital Elevation Models (DEM) obtained from RADAR or local ones constructed by UAV or LiDAR techniques are two of the main sources of information about the present-day topography at regional and local scales respectively. Multi-temporal studies based on series of optical images, InSAR techniques or DEMs of Differences approaches provide powerful information to detect, quantify and model changes in topography and understand underlying processes. Recently adopted 4D and real-time monitoring approaches allow to elucidate the role of individual events on erosion and to establish accurate frequency-magnitude relationships. In this Special Issue we want to compile the state-of-the-art research that specifically addresses how remote sensing is being used in landscape evolution studies and to monitor, quantify and model erosion.

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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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