



Integrated Use of Earth Observation and GIS Approaches for Soil Erosion Assessment in Local, Regional and Global Scale

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Message from the Guest Editors

Dear colleagues,

Soil erosion is considered a major environmental problem, as it seriously threatens natural resources, agriculture, and the environment. This Special Issue aims to assess the impact of a changing climate, land use, soil moisture, hydrology, topography, and vegetation cover on the soil erosion processes. Thus, several innovative EO (satellite remote sensing, field spectroscopy, UAVs, LiDAR, SAR, and aerial photos) and geospatial approaches will be investigated for their potential in monitoring soil properties. The main aim of this Special Issue is to raise dialogue between Geoinformatics and soil experts about the use, perspective, and current limits of EO and the associated geospatial science and technology in monitoring and modeling soil erosion at both the local and regional scale. In addition, this Special Issue can include topics related to soil loss and erosion as a result of climate change, land degradation, current and future land use, and agricultural practices, as well as the associated educational aspects.





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