



## Land and Water Degradation in Catchments: The Role of Remote Sensing for Assessment and Management

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### Message from the Guest Editors

Many landscapes are shaped by multiple uses and occupations in the rural and urban space, which frequently induce significant perturbations in soil and water characteristics, ultimately causing degradation. The catchment links soil to water degradation because it is the place where weather and hydrologic processes generate and transport loose materials and contaminants from the lithosphere into the hydrosphere. Considering the evolution of geographic information systems and the appearance of big data, particularly related to satellite images with progressively higher spatial and time resolutions, remote sensing research and applications are currently becoming topical in environmental science. The results from remote sensing assessments are expected to generate valuable insights for the scientific community, but also to trigger the implementation of politics and the development of metrics that can be used by judicial, political, and administrative authorities in the governance of soil and water.

The purpose of this Special Issue is, therefore, to bring scientists into a discussion on remote sensing applications and their potential use in sustainable watershed management.





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