

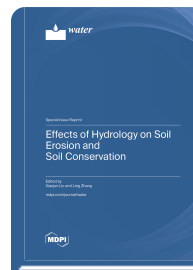
Special Issue Reprint

Effects of Hydrology on Soil Erosion and Soil Conservation

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Although considerable efforts have been made worldwide, soil erosion and conservation under the effect of hydrology have not been fully recognized—processes that significantly affect soil quality and health and thus the productivity of land, the biodiversity of ecosystems, and other areas, influencing human survival and development. Understanding the effects of hydrology on soil erosion and soil conservation will aid in protecting soil from erosion through the implementation of appropriate conservation measures.

The articles included in this Special Issue primarily present new findings and provide a better understanding of the processes and mechanisms of soil erosion and conservation induced by hydrology and interrelationships between soil erosion and rainfall and water flow. The included studies address the degradation, erosion, transportation, and deposition of soil, soil parent material, and other ground components. Of course, these processes include rainfall interception, raindrop splashing capacity, rainwater and runoff infiltrations, preferential flow, runoff path, hydrological connectivity, raindrop splash erosion, sheet erosion, rill erosion, gully erosion and underground leakage, biological, agrotechnical, and engineering measures, etc.

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