Special Issue

Grazing Effects on Hydrological Processes and Soil Erosion

Message from the Guest Editors

As you know, worldwide, human impact is negatively affecting the environment in a wide range of several ways (e.g., land use/cover changes, agriculture, urbanization, etc.). One of the most relevant impacts is related to grazing intensification, which modified the grasslands inducing some structural changes with negative environmental consequences. Scholars over the world revealed that non-planned pasture practices have complex effects such as soil compaction, loss of biodiversity, or nutrient decreases. According to this fact, grass conservation strategies are widely recognized as one of the most important hydrological control measures (for water conservation and soil erosion control). Therefore, the main goal of this special issue is to join novel papers aim to investigate:

- Hydrologic effects of non-sustainable grazing grassland areas on overland flow and sheet erosion.
- Possible impacts of runoff parameters and soil moisture status (e.g., runoff initiation time, runoff amount, runoff coefficients, soil loss) on soil quality or productivity;
- interrelated hydrological models at the different scales;
- ...

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Message from the Editor-in-Chief

Hydrology is the study of the waters of the Earth. *Hydrology* has close ties with hydraulics, hydrogeology and the multiple sciences that study the atmosphere, the land surface, the soil and the subsoil, and ranges from complex problems of risk, forecasting and optimization of water resources to interactions with ecological, urban, social and economic systems. The purpose of *Hydrology* is then to provide a journal where research results and real-world problems can be presented and discussed in order to bridge the traditional gaps between the academic world and the professionals and decision makers. Therefore, *Hydrology*, invites authors to submit their original theoretical, field, experimental, and numerical studies on hydrology with strong emphasis on multidisciplinary approaches and interdisciplinary topics, which cross the typical boundaries of our science.

Editor-in-Chief

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