Special Issue

Quantitative Geomorphology

Message from the Guest Editor

DEM-supported morphometric analysis of landscape has become an important research field in many geomorphological applications. This Special Issue aims to collect contributions regarding the development and application of quantitative techniques and geomorphic parameters to investigate issues of landscape characterization and evolution. Relevant topics include: i) extraction of geomorphic parameters and indexes from high-resolution DEMs to investigate landscape features and processes; ii) application of quantitative methods and models to estimate rates of geomorphic (i.e., fluvial and slope) processes; iii) drainage network morphometry and river profile analysis to evaluate the interplay between surface processes, tectonics and climate; iv) 3-D reconstruction of slope stability and landslide hazard assessment; v) short- and long-term topographic changes, reconstruction of ancient landscapes/landforms and sediment balance; iv) semi-automatic classification and mapping of landforms. Review articles and submissions reviewing the challenges faced by this relevant research field are also welcomed.

Guest Editor

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Deadline for manuscript submissions

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Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherentset of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientificallybased political decisions.
We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

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