Special Issue

Natural Hazards and Geomorphology

Message from the Guest Editor

This Special Issue discusses concepts, methods, and techniques to assess hazard and risk from geomorphological technics to a wide range of natural processes (e.g., earthquakes, tsunamis, volcanos, coastal erosion, landslides, soil erosion and desertification, wind, meteorological extreme events, floods, wildfires). We welcome scientific contributions in this domain, including (but not restricted to):

- Development of new quantitative, semi-quantitative, and qualitative geomorphological methods to assess natural hazards (climatological, oceanographic, storm surges, tsunamis, floods, snow, avalanches, landslides, erosion, earthquakes, volcanoes, human-made) at different scales;
- Critical evaluation of geomorphological input data for hazard analysis at different scales;
- Data mining and machine learning tools for geomorphological process and hazard analysis;
- Identification of paleo-events using geochronological dating techniques;
- Remote sensing applications in geomorphology of active hazards;
- Application of geomorphology to hazard and risk assessment, risk management, and territorial governance (spatial planning and emergency planning).

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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