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Assessment of Landslide Susceptibility and Hazard in the Big Data Era

Guest Editors:

Prof. Hyuck-Jin Park

Prof. Dr. Filippo Catani

Prof. Alessandro Simoni

Prof. Matteo Berti

Deadline for manuscript submissions:
closed (31 March 2021)

Message from the Guest Editors

Dear Colleagues,

Landslides have been recognized as a major threat to lives and properties in most mountainous regions of the world. Recently, a great deal of the progress has been made by new advancements in technology, such as machine learning technology, UAV, satellite images and simulation models. Most of these new techniques bring a massive volume of both structured and unstructured data and require specialized algorithms and methods to produce fruitful results. This revolution has just begun and there is a growing interest in the application of data science methods for landslides studies, both to develop black-box prediction models and to support the classical physics-based methods.

This special issue of Applied Sciences aims to encourage researchers to address the recent progress in the field of landslide susceptibility and hazard assessment taking advantage of the new opportunities in the Big Data Era.

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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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.

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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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