Special Issue

Land Subsidence: Monitoring, Prediction and Modeling

Message from the Guest Editors

Recently, land subsidence has become one of the important risk factors. Taking into consideration global warming and sea-level rise, many regions of the world, large cities, and land users will be affected by the changes. In many of those areas, the land subsides because of water pumping, gas, and oil extraction, soft soils or peat compaction and additional building load. Mining is also one the most important factors of subsidence, sinkholes, and other related damage. It can affect buildings and infrastructure, threatening and decreasing quality of life. In any area transformed by human activity, the ground movements should also be considered. New ideas in modeling approach development, rock mechanics, and civil engineering have emerged in many countries. Novel measurement technics, sensors, and expanding availability of remote sensing data pushes the monitoring of land subsidence towards new possibilities. This Special Issue is intended for specialists and an interdisciplinary audience and covers recent advances in monitoring, prediction and modeling of land subsidence.

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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.

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