Special Issue

Recent Developments and Applications in Environmental Monitoring and Engineering

Message from the Guest Editors

Unscientific, expensive, and wasteful critiques of environmental monitoring and geological engineering are common. Natural heterogeneity, insufficient data, and data interpretation have all been identified as major causes of uncertainty in engineering geology practice problems. Despite these issues, several long-term monitoring initiatives have yielded substantial scientific advancements and critical information for environmental and engineering policy. Geological knowledge has been shown to have a critical role in describing and quantifying uncertainty in diverse geological models at different scales. Geohazards (such as landslides and land subsidence) and groundwater and environmental issues may result from a lack of understanding of the geological model uncertainties. In recent decades, advances in measuring technology and sophisticated models have made significant progress in reducing uncertainty, with a particular emphasis on bridging the gap between accessible data and accurate geological models.

Guest Editors

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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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