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Advances in Hydrogeology

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Message from the Guest Editors

Dear Colleagues,

Contaminant hydrogeology is a research field that addresses migration, transformation, and the fate of contaminants in groundwater systems. It has a feature of interdisciplinarity and incorporates the knowledge from geology, groundwater hydrology, fluid dynamics, water chemistry, microbiology, and mathematics. Such a feature has become more significant with the emergence of new contaminants, upgrade of contamination characterization technologies, and the development of computing science.

This Special Issue aims to address the recent advances of contaminant hydrogeology and emphasizes the following topics:

- Contaminant transport theories
- Mathematical modelling of contaminant transport
- Methods and tools for computing contaminant transport
- Contaminant source identification
- Surface water and groundwater interaction for contaminant migration
- Transformation and fate of contaminants
- Hydrogeological characteristics of emerging contaminants
- Hydraulic and geophysical methods for contaminated site characterization
- On-site and real-time analysis of contaminants
- In situ groundwater remediation technology
- Regional groundwater contamination impact and management

Special Issue



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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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