Groundwater Hydrology, Contamination, and Sustainable Development

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Message from the Guest Editors

The need for all humans to have access to clean water is paramount and forms a critical aspect of daily life. This was enshrined as part of the Sustainable Development Goals (SDGs). Researchers have been monitoring and assessing groundwater occurrence and distribution, groundwater quality and groundwater vulnerability, and developing innovative ways of solving groundwater pollution challenges. Several technological- and mathematical-based techniques can be used. Intelligent systems are also reliable tools that can be employed. For decades, various geospatial (remote sensing and geographic information system (GIS)), artificial intelligence (AI), machine learning (ML), statistical, and indexical methods have been proposed and applied by numerous researchers in the field of hydrogeology and environmental water quality. Most previous research outputs uphold that these methods have been very useful in interpreting groundwater hydrology and groundwater quality data. The application of integrated methods for groundwater hydrology, environmental contamination and water quality research is of the utmost significance when actualizing many environmental sustainability goals.

Special Issue

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Message from the Editor-in-Chief

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