

Special Issue

Groundwater Systems and Pollution

Message from the Guest Editors

Groundwater plays a critical role globally in human consumption, habitat maintenance, and human society development, as well as in the sustenance of streams, lakes, wetlands, and aquatic communities. Over the years, the triple effects of global climate change, anthropogenic activities, and poor groundwater management have resulted in the growing importance of groundwater, which has moved groundwater research to the forefront of the geosciences. It is a priority to understand groundwater systems, which comprise the subsurface water, the geologic media containing the water, flow boundaries, as well as recharge and discharges, to better evaluate groundwater. In the changing environment of past decades (e.g., global climatic changes, changes in land use patterns, growing population, increasing pressure on existing water supplies and varieties of anthropogenic activities), groundwater pollution has been developing at an alarming frequency and posing a major health risk for many people worldwide. Therefore, there is a need to advance knowledge for understanding the groundwater system and pollution to achieve the sustainability of groundwater resources.

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