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Groundwater Vulnerability, Risk and Hazard: State of the Art Statistical and Machine Learning Techniques

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Message from the Guest Editors

Groundwater resources are under natural and anthropogenic pressures that are threatening their sustainability. It is expected to increase those pressures on the groundwater in the future due to increasing agriculture, industry, urbanization, and the impact of climate change and land use which lead to depletion of the quantity and deterioration of the quality of the groundwater. Therefore, groundwater resources should be protected against threatening factors in order to decrease the vulnerability of the groundwaters and/or preventing before degradation.

Evaluation of groundwater vulnerability, risk and hazard are of particular importance for conservation and management purposes. Several methods and frameworks including overlay, statistical, and process-based simulation along with data-driven methods have been used for this purpose in the last decades. [...]

For further reading, please follow the link to the Special Issue Website at:

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Special Issue



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Message from the Editor-in-Chief

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