

Special Issue

Sustainable Groundwater Resource Management

Message from the Guest Editors

Aquifers represent the main source of potable water in most parts of the world. Over the last decades, due to anthropogenic influence, groundwater quality has been degraded, while the quantity has become very limited in some areas. To enable sustainable management of groundwater resources, i.e., aquifers, the development of new methods and detailed hydrogeology research are required. New knowledge must identify the main environmental problems caused by human influence and propose measures whose implementation will improve the condition of the aquifers. Research related to the groundwater dynamics, groundwater–surface water interaction, groundwater origin, hydrogeochemistry, the difference between natural and humanly conditioned concentrations, soil and groundwater contamination, establishment of groundwater monitoring, and use of geostatistical methods can give new insights that would enable mitigation of the most pressing environmental problems. The scope of the Special Issue is related to the creation and implementation of methods in groundwater research that look at environmental issues from different perspectives to enable sustainable groundwater resources management.

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