Special Issue

Understanding the Effects of Anthropogenic Activities on the Sustainability of Groundwater Resources

Message from the Guest Editors

Although groundwater is renewable, it is vulnerable to anthropogenic activities (e.g., excessive pumping and evaporative losses, wastewater and mine discharges, irrigation return flows), leading to declining surface and groundwater levels, loss of wetlands and ecologic health, and degraded water quality. Understanding the factors and processes that define and control groundwater circulation and quality due to anthropogenic activities is key to sustainably managing groundwater resources. This Special Issue will present original, in-depth research papers addressing recent progress in understanding the effect of anthropogenic activities on the sustainability of groundwater resources.

Possible topics include, but are not limited to:

- New methods for estimating groundwater recharge
- Advances in optimizing groundwater management
- Effects of excessive groundwater withdrawals on ecosystems
- Managing the injection of reclaimed water for minimizing groundwater degradation
- Groundwater resource assessment and mitigation in mining areas
- Anthropogenic effects on groundwater circulation and quality
- Remote-sensing methods for improving groundwater management

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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