

Special Issue

Sustainable Groundwater-Surface Water Management and Dependent Ecosystems Interactions

Message from the Guest Editors

All over the world, groundwater is an important resource for humans as well as the ecosystem. Approximately one-third of water resources depends on groundwater, especially where rivers, lakes, or reservoirs are unavailable. Many surface water systems rely on groundwater recharge to maintain water quality, including temperature for aquatic life and plants. Appropriate management is a necessity for all groundwater systems. Good governance depends on data in terms of time and space, as well as a complete understanding of biophysical effects on groundwater-surface water interactions for decision making and the enforcement of artificial pumping. Artificial recharge or the collaborative use of surface water systems can reduce overexploration to a certain extent. Successful examples of groundwater management and groundwater-surface water interactions, as well as effective data assimilation techniques, will be introduced in this Special Issue. Related knowledge, such as hydrogeological settings and simulations/forecasting, are also welcome.

- natural replenishment
- data assimilation
- decision making
- governance
- artificial recharge

Guest Editors

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Deadline for manuscript submissions

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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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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