

Special Issue

Water Resource Management: Watershed and Groundwater Pollution

Message from the Guest Editor

Water resources face increasing challenges caused by climate change, population growth, and pollution, affecting both **surface and groundwater systems**. The sustainable management of **watersheds** and the protection of **groundwater quality and quantity** are essential for long-term water security. Advances in **hydrological modeling, artificial recharge, and pollution control** highlight the need for integrated strategies to address surface–groundwater interactions and water sustainability. This Special Issue aims to explore the application of innovative strategies to **watershed management and groundwater pollution**. It will focus on the integration of **quality and quantity management** for water resources, aligning with the journal's emphasis on interdisciplinary approaches to water systems. The scope of this Special Issue includes, but is not limited to, the following topics: **Hydrological modeling and pollutant transport** in groundwater **Groundwater quality management**, focusing on contaminants Artificial groundwater recharge **Policy frameworks** for integrated surface–groundwater management **Climate adaptation strategies** for water resilience

Guest Editor

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST

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