

Special Issue

Isotopes in Hydrology and Hydrogeology

Message from the Guest Editor

Within the realm of the newly evolving discipline of environmental sciences, the application of isotopes methodology is being used to an ever-increasing extent. Application include tracing the evolution of a water mass from its origin as precipitation, through its recharge processes and ending at its occurrence in an aquifer. There is a special focus on the processes at the surface–atmosphere and land–biosphere–atmosphere interfaces. Isotopes can also be used to determine the origin of a specific solutes in ground water. The other main class of applications of isotopes is based on the decay of radioisotopes. In the last decades is increasing interest in environmentally friendly tracers, like isotopes, because of concern has emerged about the application of artificially tracers in aquatic ecosystems due to their potentially negative impact on the environment.

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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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