



## Isotopes in Hydrology and Hydrogeology

Guest Editor:

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### Message from the Guest Editor

Dear Colleagues,

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.

Prof. Dr. Maurizio Barbieri  
*Guest Editor*





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## Message from the Editor-in-Chief

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