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Stable Isotopes in Hydrological Processes

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Message from the Guest Editor

Dear Colleagues,

This Special Issue covers the "Stable Isotopes in Hydrological Processes". Isotope tracing is currently widely used to study water balance and streamflow formation occurring both in large river and small tributary basins. Datasets of isotope tracers within regional and global river networks allow the opportunity to access the spatiotemporal dynamics of runoff processes, evaporative enrichment, and depletion that occurs in different climatic zones. Most recently, isotope-capable predictive hydrological models have been useful for the attribution of climate change and water and land management.

Papers for this Special Issue may address novel aspects of stable isotopes used in the study of a wide range of hydrological processes: water cycle variability at various spatial and temporal scales, assess the effect of evaporation and the rate of water exchange, genetic relationship of surface waters with precipitation and groundwater, hydrological models, etc.

Dr. Tatyana Papina Guest Editor











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Message from the Editor-in-Chief

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