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Flow, Heat and Biogeochemical Transport in Coupled Surface Water-Vadose Zone-Groundwater System

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submissions:

closed (31 December 2021)

Message from the Guest Editors

The objective of this Special Issue was to state the recent advances in this interdisciplinary area. The topics may include, but are not limited to, integrated hydrologic modeling, multiphase flow and transport across unsaturated zones and saturated zones, heat transport and energy redistribution under hydrologic events, biogeochemical transport from shallow soil to deep groundwater. Both modeling and field work are of great value to deepen our understanding of the coupled system. We encourage researchers with different backgrounds (e.g., hydrologists, ecologists, geochemists) to contribute original data, innovative field monitoring technology and advanced modeling methods to this Special Issue. Review articles focused on one or more related topics are also highly encouraged.



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Special Issue



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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.

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