Special Issue

Soil Hydrology in Agriculture

Message from the Guest Editors

The Special Issue encourages submissions on the interaction of soil hydrology and agriculture in seeking effective management of water and nutrients. We welcome contributions integrating monitoring and modeling components at applicative scales, from field to district scales. The Special Issue will deal with the following major topics: 1. Soil hydrology, water uptake and crop response; 2. Soil hydrology and irrigation management from field to district scale; 3. Soil hydrology and nutrient management. Specific topics will include (not exhaustively): (1) Monitoring and modeling of the interactions between soil hydrological, plant and atmosphere processes, and agricultural management practices; (2) Soil hydrology for irrigation and fertilizer management, including non-conventional water resources; (3) Soil hydrology and soil tillage; (4) Monitoring and modeling root growth and uptake of water and nutrients; (5) The role of soil hydrology in scheduling irrigation at district scale, under conditions of spatially variable soils; (6) Site-specific management related to spatially variable soil hydrological behavior; (7) Carbon, nitrogen and phosphate dynamics in agricultural soils.

Guest Editors

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Deadline for manuscript submissions

closed (1 April 2019)

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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

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