Special Issue

Study of the Soil Water Movement in Irrigated Agriculture

Message from the Guest Editors

In irrigated agriculture, the study of the various ways water infiltrates into the soils is necessary. In this respect, soil hydraulic properties, such as moisture retention curve (SMRC), diffusivity, and hydraulic conductivity functions, play a crucial role, as they control the infiltration process and the soil water and solute movement. Modeling and flow simulation of soil water movement depends on the appropriate description of the hydraulic properties and their measurements (in situ and in the laboratory), upon which these are provided. A comprehensive review of the recent developments in the various aspects of soil water movement in irrigated agriculture is welcome. The above may be presented in a number of research topics that tackle one or more of the following challenges:

- Irrigation systems and one-, two-, and three-dimensional soil water movement.
- One- and three-dimensional infiltration analysis from a disc infiltrometer.[...]

For further reading, please follow the link to the SpecialIssue Website at:
https://www.mdpi.com/journal/water/special_issues/Soil_Water_Movement_Agriculture

Guest Editors

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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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