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Study of the Soil Water Movement in Irrigated Agriculture

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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 Special Issue Website at:

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Soil_Water_Movement_Agriculture

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Editor-in-Chief

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Message from the Editor-in-Chief

The relevance of water in human development and sustaining life, fuels general and scholarly interest in the world's water resources. A better understanding of all aspects of water and its relation to food supply, energy production, human health, and the functioning of ecosystems is key in managing this precious resource in a sustainable, efficient and equitable manner. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications. We ensure a critical review process and a quick turnaround between submission and final decision.

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