Special Issue

Research on Soil Moisture and Irrigation

Message from the Guest Editors

Irrigation scheduling, especially for real-time applications, is vital for crop growth in districts with insufficient precipitation. Prompt crop water deficit recognition and water supply control are guarantees for higher crop yield and better quality. Involved in various methods for irrigation scheduling or crop water management, soil moisture is the key factor in view of its bridge role in precisely indicating crop water status and controlling irrigation water supply. Therefore, a discussion on soil moisture sensing or prediction, and how it is acted on reflecting crop water status and further for irrigation management is raised in this Special Issue.

- soil moisture sensing
- soil moisture prediction
- irrigation scheduling modelling
- temporal–spatial resolution
- irrigation control
- irrigation system

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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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