

Special Issue

New Perspectives in Agricultural Water Management

Message from the Guest Editors

Advances in information and communication technologies have driven the evolution of traditional agricultural production into smart farming. Agricultural water management is crucial in modern agriculture. Nowadays, thanks to the Internet of Things (IoT) techniques various types of connected sensors are being installed in farms. For instance, besides traditional soil moisture sensors, digital cameras now can be employed to monitor plant growth in a real-time manner. The accumulated data from different sensors covers a wide range of data formats, such as time-series, images, videos, sound waves, etc. To achieve better decision-making in agricultural water management, intelligent information processing and data analytics approaches are highly desired and thus both structured and unstructured data can be fully utilized. This special issue will focus on new perspectives in agricultural water management driven by the IoT and sensor techniques. The goal is that it provides an opportunity for us to gain a significantly better understanding of the current developments and the future direction of smart agricultural water management.

Guest Editors

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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

Dr. Jean-Luc PROBST

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