

Special Issue

Soil Moisture Sensors for Irrigation Management

Message from the Guest Editor

Precision irrigation demands reliable and cost-effective monitoring of soil water. Different measurement principles exist in literature and in the market. Recently, the uptake of wireless networks and the Internet of Things have enhanced their usability in farms. However, applying soil moisture sensors to irrigation purposes is not trivial, since the practical requirements include low cost, low maintenance, high accuracy, and easy interpretation. Moreover, under certain irrigation methods, water is distributed heterogeneously in the soil, which makes sensor positioning and data interpretation more challenging. This Special Issue focuses on research and development in the application of soil moisture sensors to optimize irrigation management for agricultural and horticultural production.

Guest Editor

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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