Special Issue

Effects of Drip-Irrigation Regimes on Saline Water Productivity, Crop Growth and Soil Conditions

Message from the Guest Editor

The shortage of water resources has been prevailing across the world, especially in arid regions where the agroecosystems are fragile; this shortage potentially restricts agricultural production and socio-economic development. It is imperative to seek water-saving measures that can ensure the sustainability of agriculture. Therefore, the general application of drip irrigation, functioning to prevent deep leakage, reduce evaporation, save fertilizer and thus increase production, has made achievements in improving water resource utilization. Moreover, underground saline water has been considered the alternative irrigated water despite its adverse impacts on soil salt distribution, crop growth, and water/fertilizer use efficiency. In this Special Issue, we encourage researchers to submit papers focusing on mentioned fields. We hope to explore and update how drip irrigation regimes affect crops and soil with saline water irrigation on the basis of laboratory observations, field monitoring, and feasible models for the purpose of optimizing drip irrigation schedules, saving water and enhancing the water/fertilizer productivity.

Guest Editor

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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

Dr. Jean-Luc PROBST
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