Special Issue

Rational Irrigation under Changing Climate

Message from the Guest Editors

Irrigation is highly vulnerable to climate change. Investing in new irrigation technologies such as precision irrigation and smart irrigation systems can help farmers to optimize water use and reduce water waste by using sensors and data to monitor soil moisture levels and plant water needs. Furthermore, improved water management practices such as rainwater harvesting, and wastewater reuse can help farmers to adapt to water scarcity and reduce their reliance on groundwater. These practices can also reduce the need for the energy-intensive pumping and transportation of water. Planting drought-tolerant crops can also help farmers to adapt to drought conditions and reduce their water use. This Special Issue deals with the topic of rational irrigation under the conditions of a changing climate and circular economy. We invite researchers and experts working in relevant field to contribute original research and reviews covering all topics related to sustainable irrigation practices and the mitigation of the impacts of climate change on agriculture, water resources, and the environment.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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