

Special Issue

Agricultural Water Management and Irrigation Systems Assessment

Message from the Guest Editor

The climatic variability, (in)ability to irrigate, (un)availability of water, soil fertility, risk management in the face of extreme events, favorable conditions for organisms harmful to crops, and the alteration of phytosanitary systems are the main critical variables in mitigating the expected effects of climate change on agriculture. It is essential that the efficiency of water and energy use and management is improved in a transversal way, aiming, on the one hand, to increase the economic productivity of the exploration, and, on the other, to increase the availability of water for more irrigation, accompanied by a decrease in the negative environmental impacts associated with this practice.

This Special Issue calls for contributions on the following non-exclusive list of topics: irrigation strategies for improving water use efficiency, irrigation water management and modeling under climate change scenarios, irrigation systems and technologies for improving irrigation water and energy use efficiency, individual/collective irrigation management support platforms, and precision irrigation.

Guest Editor

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Editor-in-Chief

Prof. Dr. Steve W. Lyon

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