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Agricultural Water Saving Technologies in Yield Enhancing

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Deadline for manuscript submissions:
closed (30 November 2023)

Message from the Guest Editors

Dear Colleagues,

With the population growth, the contradiction between the shortage of agricultural productive resources, such as agricultural land, water and fertilizer, and the increase in food demand has intensified. In the case of developing countries, effective supply of grain can be seen as a condition for survival. Therefore, how to use limited resources to produce more grain has become an important direction of sustainable development. In this context, it is particularly urgent to quantitatively reveal the coordination of processes increasing crop yield and water use efficiency by more efficient irrigation technology and management strategies, aiming to put forward ways to ensure food supply and agricultural sustainability. This Special Issue invites relevant results of field measurement, model simulation, and macro strategy research on the following topics:

- High yield strategies, practices, and techniques under water-saving irrigation technologies.
- Using agricultural water-saving technologies to facilitate further improvements in yield and water use efficiency.
- Assessment of regional climate and the development of efficient water-saving agriculture.

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Message from the Editor-in-Chief

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