



Innovative Approaches to Improve Crop Water Productivity under Irrigated Conditions

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Message from the Guest Editors

Dear Colleagues,

Irrigated agriculture represents 20 percent of total cultivated land, but contributes 40 percent of the total food produced worldwide. With a growing global population, food demand may increase by nearly 60% by 2050. Irrigated agriculture is facing challenges as water supplies are declining due to climate change and competition from other stakeholders. To sustain irrigated agriculture and meet future food needs, research is required to maximize crop water productivity (yield per unit water used by the crop). Please share your success stories from research in irrigated regions around the world in this Special Issue. Submissions on the following topics (but not limited to) are invited: 1) Innovative and novel application of conventional approaches for irrigation management; 2) Agronomic practices related to crop productivity under limited water; 3) Advanced techniques, such as remote sensing, for farm-scale irrigation scheduling; 4) Optimum regulated deficit irrigation strategies; and 5) Decision support tools and modeling.

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