



water



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Agriculture Water Management and Water Saving Strategies

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Message from the Guest Editor

Dear Colleagues,

The world population is growing and is expected to reach 9.1 billion by 2050. Agricultural production must adapt to this situation sustainably, which means an increase in total production and the improvement of the resource use efficiency. To date, agriculture consumes 70% of available fresh water and is still the most limiting factor under arid and semi-arid conditions. Moreover, climate change increases the uncertainties about water supplies and food production. Therefore, we should face the challenge of increasing agricultural production with a limited share of freshwater. The reduction of the non-consumptive and non-beneficial uses of water would increase crop water productivity. It would also decrease the yield gap, defined as the difference between actual and attainable yield. [...]

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Special Issue



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Message from the Editor-in-Chief

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