



Effects of Fertilizer and Irrigation on Crop Production

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Message from the Guest Editors

The additional demand for food by the growing population and availability limitations will require that we increase resource use efficiency of water and nutrients for crops. The efficient management of water and nutrients (without underestimating the role of plant genetics) has been identified as crucial for closing the yield gap of main crops. Sustainable intensification of agriculture should rely, therefore, on defining management strategies that increase water and nitrogen use efficiency.

We would like to invite researchers from a large number of countries to submit their papers dealing with water and nutrient management in different agroecosystems with different problems. We welcome original manuscripts, which might help us understand the processes of water movement in the non-saturated zone, nutrient uptake by crops, nutrient loss (e.g., lixiviation, runoff, gas emission); the utilization of new application equipment in the field, proximal/remote sensing implementation, novel approaches, and methodology, and applications of models are also welcome.





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Message from the Editor-in-Chief

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