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Optimization of Water Use in Agricultural Systems

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Fresh water, especially ground water, available for supporting crop production across the world is declining quickly due to competing demands for this commodity from multiple burgeoning human enterprises. The need for more and more food production for the ever increasing human and animal population calls for the development of measures to make irrigated agriculture more sustainable by developing better crop-lines and agro-management practices that produce higher yields with less water. Optimizing crop water use through dedicated research for increased water use efficiency in crop production is key for assuring food security for everyone in the world. This endeavor calls for collecting and publishing world-wide cutting-edge research about optimizing water use in agriculture.

Dr. Saseendran S. Anapalli

Guest Editor



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Special *Issue*



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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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