

Special Issue

Water Conservation in Irrigated Agricultural Systems

Message from the Guest Editors

With a global population of 7.8 billion people, projected to grow to about 10 billion over the next 30 years, current and future food insecurity is an urgent threat. At the same time, a changing climate poses uncertainty about future productive capacity in many of the world's breadbaskets. As temperatures increase and precipitation becomes less certain, irrigated agriculture will be important to sustain food production, but water supplies are finite and in many cases over-allocated or declining in quality... The main purpose of this Special Issue is to propose a series of papers which address the many facets of irrigated agriculture, spanning from the water resource base which is at risk from climate change, quality degradation, and over-allocation; improved technologies to enhance the efficiency of water use; new cropping systems to better match water supply to productivity; and biophysical and social effects of irrigated agricultural systems as affected by management and policy. For further reading, please visit the [Special Issue website](#).

Guest Editors

Prof. Dr. Jean L. Steiner
Kansas State University, Manhattan, USA

Prof. Dr. Eduardo A. Santos
Department of Agronomy, Kansas State University, Manhattan, United States

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Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST

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