Special Issue

Design, Management and Environmental Control of Modernized Irrigation Systems

Message from the Guest Editors

Increasing water use efficiency and modernization of irrigation systemswe not only increase the amount of water available for other uses, but also improve the environmental quality of irrigated areas, decreasing fertilizer and phytosanitary products losses and contamination of groundwater. Besides, with the incorporation of environmental criteria in the design and management of the modernized irrigation systems, the agricultural sector can contribute to the maintenance of a healthy and sustainable agroecosystem, and consequently a better life quality in rural areas and stabilizing population.

In this Special Issue, all themes that concern modernized irrigation systems are welcome, from the first step of modernization (design), to the study of the influence of the different factors involved in irrigation water management (including the contribution of the control elements in the water use and distribution). Environmental factors and repercussion of the irrigated lands in the agroecological system are also welcome to this 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.

Editor-in-Chief

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