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Managing and Planning Water Resources for Irrigation: Smart Irrigation Systems for Providing Sustainable Agriculture and Maintaining Ecosystem Services

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Message from the Guest Editors

Smart irrigation systems provide attractive instruments and methodologies for saving water and improving soil conservation in view of mitigating the impacts of climate change as well as increasing agricultural production. They can avoid over-watering, excessive runoff and soil erosion by scheduling the amount of irrigation according to soil characteristics, crop types, weather conditions and field geometries.

[...]

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Special Issue



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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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