

Special Issue

Advanced Irrigation Management for Mitigating Environmental Impacts on Agricultural Systems

Message from the Guest Editor

The aim of this Special Issue is to discuss new developments in irrigation practice and management. The focus should be on a comprehensive approach within agricultural systems. Topics may vary from new high-tech solutions to affordable practices, especially for smallholder farmers. The relation of water and soil with respect to soil fertility, soil protection and remediation could also be addressed. Agricultural practices should acknowledge the SDGs (Sustainable Development Goals) to ensure safe and sufficient food supply for a growing population worldwide and at the same time minimizing impacts on the environment and health. Technical solutions and social as well as economic issues are part of holistic management practice. The role of irrigation in this context is commonly not doubted, but new challenges and pressures on natural resources need new and innovative approaches. This is not about what technology is available, but what technology and management practice are most appropriate for a specific situation. There is definitely not a single solution available. Hence, the Special Issue is a platform to discuss and exchange different and innovative approaches.

Guest Editor

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