



Advanced Hydrological Modeling in Agricultural Engineering

Guest Editor:

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Message from the Guest Editor

Hydrological modeling is now an essential tool for improved decision making in agricultural engineering. As agricultural water issues have got more complicated with increases in water demands and expected changes in land use and climate, more sophisticated hydrological modeling approaches are required, hydrological modeling is also expected to be more demanding and useful in agricultural water resource management and planning. This Special Issue invites studies advancing hydrological modeling with new concepts, aspects, approaches, methods, and techniques for increased ability to manage agricultural water resources under a changing environment. The research interests include, but are not limited to the development and application of new simulation models and approaches, improvement of existing models and methods, applications of new remotely sensed data and computational techniques to hydrological modeling, and new strategies to incorporate and consider land use and climate changes in hydrological modeling. This Special Issue is expected to provide an overview of the latest advancements in the agricultural application of hydrological simulation methods.





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