



Agricultural Watershed Hydrology, Water Quality Modeling and Water Management

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Message from the Guest Editor

Dear Colleagues,

Sound watershed management planning is based on quantitative estimates of the environmental impacts. The water quantity and quality in agricultural watersheds are essential environmental indicators that are sensitive to management, operation, and land-climate changes. In the past two decades, significant advances in computational modeling, tools, and technology have improved our understanding of hydrological processes and water quality transport at various scales. This resulted in better management of natural resources and targeted implementation of conservation practices through informed decision-making.

This Special Issue calls for contributions from researchers working in different agricultural watershed hydrology, management, and modeling to (i) analyze the availability of methods and tools providing a better comprehension of agricultural watershed management (monitoring and modeling tools) and (ii) propose novel methods for the sustainable management of agricultural watershed resources. Papers focusing on critical issues (such as comprehensive reviews and discussions), as well as research and applied projects, are welcome.





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Message from the Editor-in-Chief

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