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Agricultural Water Management Using Geospatial Technologies

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Deadline for manuscript submissions:

closed (31 December 2022)

Message from the Guest Editors

We would like to invite you to contribute by submitting articles about your recent research, experimental work, reviews, and/or case studies related to agricultural drainage management. Contributions may include, but are not limited to, the applications of remote sensing and GIS in the following topics:

- Rainfall–runoff modeling;
- Development and application of a water balance model;
- Multi-model approach for stream flow simulation;
- Multi-criteria analysis for construction of agricultural drainage network;
- Machine learning and geo-computation in agricultural drainage management;
- The effects of climate change on water resources planning and management and sustainable agricultural drainage systems;
- Water demand–supply–constraint analysis in irrigated agriculture;
- Irrigation performance indicators
- Scenario analysis of drainage management practices;
- Groundwater recharge estimation;
- Remote sensing for water storage and environmental water usage;
- Soil erosion, non-point source pollution, and water quality modeling at agricultural watersheds;
- High-resolution remote sensing applications in agricultural drainage management.



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Special Issue



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Message from the Editor-in-Chief

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