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Wetland Processes, Monitoring and Modeling for Design and Management

Guest Editors:

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Deadline for manuscript submissions:
closed (20 November 2023)

Message from the Guest Editors

This proposed Special Issue solicits research papers on wetland function modeling and monitoring to be published in Water. The scope of the Special Issue is on recent advances in basic and applied research leading to improved description of hydrology, hydrodynamics, water quality, and primary productivity in models of natural, restored, and constructed treatment wetlands, including some of the LID practices in urban areas that mimic the ecological function of wetlands. Papers on carbon sequestration and greenhouse gas emissions in inland freshwater and coastal saltwater wetlands are highly encouraged. Laboratory and field-scale studies aiming to elucidate the understanding of complex interactions among physical and biogeochemical processes, leading to the development of empirical relationships which promise improved wetland simulation models, are also encouraged. Research papers on modeling for the improved design of constructed and treatment wetlands are welcomed. Papers on model and method development or applications for scaling up wetland function and processes to the catchment scale using statistical and watershed models are also highly encouraged.

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Editor-in-Chief

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Message from the Editor-in-Chief

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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