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Water Quality and Ecological Aspects of Aquatic Ecosystems Influenced by Agricultural Activity

Guest Editor:

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Message from the Guest Editor

Agriculture is necessary for providing a growing population with food, fiber, and fuel. Agriculture itself is dependent on water and proper management of water resources, such as water quality. In agricultural watersheds, water quality is a key component to maintaining healthy aquatic ecosystems. Functional aquatic ecosystems provide valuable services such as habitat, nutrient cycling, and productivity. Despite recent advances in our understanding of agricultural impacts on water quality as well as mitigating those impacts, critical knowledge gaps continue to exist. We need to better understand links in changes in water quality and their broader ecological effects on aquatic ecosystems as a result of agricultural activity. This Special Issue seeks to highlight novel, innovative studies that utilize monitoring, modeling, or ecological assessment techniques to examine these linkages and predict the implications for water quality and aquatic ecosystems within agriculturally influenced watersheds. Contributions will preferably use a variety of techniques and will emphasize the innovative aspects and generalizable insights derived from the study.



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Special issue



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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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