Special Issue

The Impacts of Agriculture on Water Quality

Message from the Guest Editors

With the applications of some cultivating additions, such as pesticides, chemical fertilizers, livestock, and poultry manure, etc., residues of pesticides and weed killer has constructed a serious threat to the safety of the surrounding water environment. Nutrient agricultural runoff containing nitrogen and phosphorus can trigger algal blooms, some of which generate toxicants. Pollution also includes microbes such as antibiotic-resistant bacteria transferred to the environment from agriculture. With further economic development in the world, protecting freshwater and marine systems from water pollution generated by agriculture has been one challenge. This Special Issue will give particular attention to studies on the relationship between agricultural activity and water environment, the interception of nutrients in farmland runoff and the reduction/reasonable use of chemical fertilizers/pesticides, the new ecological restoration techniques of the polluted water bodies, etc.

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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.

Editor-in-Chief

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