

Special Issue

The Toxicology and Risk Assessment of Agricultural Runoff and Aquaculture Pollution

Message from the Guest Editor

Pond culture is the most common aquaculture method, but other methods include open-net pens, suspended-aquaculture, closed containments within the natural environment, and raceways where flowing water is diverted from natural streams in order to raise trout. Each method has different risks to the environment from a pollution standpoint.

We would like to invite authors to submit their original research or review papers on the toxicology and risk assessment of aquaculture pollution. Subtopic examples include the occurrence, fate (e.g., transformations, body burden, bioaccumulation, biomagnification) and effects of pollutants from aquaculture that are discharged into environment, and the impact of discharged chemicals on sensitive species or ecosystems; biomarkers of exposure and exposure pathways; probabilistic risk assessment for chemicals entering the environment from aquaculture or on the fish and crustaceans produced for food; and case studies which can include mitigation strategies. Case studies from Asia are especially sought as it is the world's major producer of farmed seafood.

Guest Editor

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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

Dr. Jean-Luc PROBST

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