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Advances in Aquaculture Ecology Research

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Message from the Guest Editors

Worldwide demand for aquatic products is growing due to population growth and increased fish consumption, and this demand is expected to increase by 57% between 2005 and 2050 (FAO, 2014). However, aquaculture faces environmental challenges in its efforts to increase both the quantity and quality of production without increasing the negative externalities. Aquaculture ecology belongs to the category of applied ecology. It is the science of the interaction between environment and commercial aquatic organisms as well as their farming activities, and the principles for the establishment and management of aquaculture systems. Its basic goal is to provide a theoretical basis and key technical supports for the sustainable development of aquaculture industry, i.e., to protect the ecological environment of farming waters, rationalize the use of resources, and improve economic efficiency. Aquaculture ecology is closely related to the development of the aquaculture industry [...]

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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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