Special Issue

Effects of Harmful Cyanobacteria on Ecosystem Functioning, Food Webs, and Water Quality

Message from the Guest Editors

Harmful algal blooms (HABs) are frequently dominated by cyanobateria. Cyanobacterial blooms are well established as indicators of environmental degradation. Beyond the role as indicators, bloom forming Cyanobacteria by themselves are a serious threat to the functioning of aquatic ecosystems and resources and services provided by aquatic ecosystems. Because of their mechanical properties and the toxicity of several of them, harmful Cyanobacteria may seriously inhibit matter and energy transfer through the food webs. Dense aggregations of cyanobacterial biomass lead to chemical alterations of the water. This, in turn, can lead to animal kills and health hazards for humans. The planned Special Issue should summmarize recent advances in the monitoring, analysis, and prevention of harfmul cyanobacteria and their adverse effects on ecosystem functioning, food webs, and water quality. Among others, possible topics include the effects of cyanobacteria on water chemistry, deep water, and sediment anoxia, grazing inhibition, animal kills, biodiversity, ecological status, human health, and analyses of societal costs.

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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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