Special Issue

Advancing Knowledge on Cyanobacterial Blooms in Freshwaters

Message from the Guest Editors

There is increasing evidence that cyanobacterial blooms have increased globally and are likely to expand in water resources due to climate change. Of most concern are cyanotoxins, along with mechanisms that induce their release and fate in the aquatic environment. This Special Issue aims to bring together recent research of multi- and interdisciplinary approaches from the field to the laboratory and back again, driven by working hypotheses based on any aspect from ecological theory to applied research on mitigating cyanobacterial blooms. Of special interest are papers that suggest the use of complementary approaches, from the most recently developed molecular-based methods to more classical approaches and experimental and mathematical modeling regarding factors (abiotic and/or biotic) that control the diversity of not only the key bloom forming cyanobacterial species, but also their interactions to other biota, and their role in preventing and/or promoting cyanobacterial growth and toxin production and/or degradation. Keywords: Cyanobacteria; Cyanotoxins; Molecular ecology; Human and animal health; Risk assessment; Nutrients; Climate change; Eutrophication

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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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