Special Issue

Nutrient Biogeochemical Cycles in Eutrophic Inland Waters and Eutrophication Control

Message from the Guest Editors

In the past few decades, severe eutrophication has occurred in inland waters (lakes, reservoir, rivers, etc.) around the world, altering aquatic environment and thereby nutrient (carbon, nitrogen, phosphorus, etc.) biogeochemical cycles. For example, eutrophication often causes algal blooms in inland waters and algae-derived hypoxia may cause a larger proportion of organic carbon to be mineralized as methane, causing high methane emissions to the atmosphere, favouring denitrification for nitrogen removals and controlling phosphorus cycles. These regulated nutrient cycles may produce remarkable impacts on aquatic ecosystems and human beings, and have been receiving considerable public concern. To combat eutrophication, many technologies have been developed, including physical, chemical and biological methods. These technologies may unintentionally change nutrient cycles. There are still knowledge gaps in the comprehensive evaluation on these technologies [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/eutrophication_control

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2022)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/93516

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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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