Special Issue

Internal Nutrient Cycling in Lakes and Reservoirs

Message from the Guest Editors

Nutrients (e.g., bioavailable inorganic and organic forms of carbon, nitrogen, phosphorus, and sulfur) contribute to biological productivity. Excessive nutrient inputs have long been known to affect the eutrophication status of lakes and lead to frequent harmful algal blooms in lakes around the world. Moreover, the presence of internal nutrient cycling often causes a delay in lake recovery after external loading reductions. Internal nutrient cycling occurs at multiple places including water columns, sediment, suspended particles, and water–air and sediment–water interfaces. The cycling closely relates to biological (e.g., bacterial and algal communities) processes and/or physicochemical processes. Various drivers such as climate change, hydrological events, and human impacts can significantly influence nutrient cycling in lakes. Due to the complexity of nutrient cycling in aquatic ecosystems, new insights are expected to be a broad scope of literature and help to target internal nutrient control.[...]. For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/RXHS67996K

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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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