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Limnology under Climate-Driven Regime Shifts: Impacts on Water Balance, Dynamics, Physico-Chemical Properties and Ecology

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Message from the Guest Editors

Dear Colleagues,

We are pleased to announce the new Special Issue of *Water* entitled 'Limnology under Climate-Driven Regime Shifts: Impacts on Water Balance, Dynamics and Physico-Chemical Properties'. Lakes not only play an important role in the global hydrological and biogeochemical cycle but also serve as important water resources including drinking water supply, agricultural production, recreation and fisheries. Based on in situ observation, satellite data and modeling, significant changes in lake physical conditions have been investigated during the past decades, including loss of ice cover, rising surface water temperature, changes in evaporation, water budgets, alteration of mixing regimes, etc.

More research about changes in lake conditions is still needed, especially for lakes in remote areas where there is a lack of in situ observations. Therefore, this Special Issue focuses on the response of lake physical-chemical conditions to climate change, mainly changes in the lake area, water level and storage, lake ice phenology, water temperature, quality, mixing regimes, evaporation, etc. We are looking forward to your participation and submissions.



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Special Issue



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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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