

## Plateau Lake Water Quality and Eutrophication: Status and Challenges

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### Message from the Guest Editors

Lakes, together with rivers and subterranean aquifers, are indispensable natural resources for humans and other organisms. Lakes not only play a crucial role in water supply, food production and climate regulation, they also function as a cornerstone for socio-economic susceptible development.

During the last century, anthropogenic climate changes, especially seasonal climate alternations, intensified widespread use of agricultural chemicals (e.g., fertilizers and pesticides), and rapidly increasing urbanization have dramatically changed regional watershed and hydrological patterns, exerting excessive pressure on lacustrine ecosystems.

It is necessary to consolidate a comprehensive understanding of the drivers of eutrophication on individual to regional clusters of lakes because lake status varies depending upon location, depth, area, agricultural and industrial intensity, and trophic status. This is our goal to organize this special issue published by the journal WATER, which has a global readership on the topic of eutrophication and water resource management.



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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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