



water

an Open Access Journal by MDPI



Plateau Lake Water Quality and Biodiversity: Impacts of Human Activity and Trans-regional Water Diversion

Guest Editors:

Prof. Dr. Hucai Zhang

Institute for Ecological Research
and Pollution Control of Plateau
Lakes, Yunnan University,
Kunming 650500, China

Dr. Jing'an Chen

Institute of Geochemistry,
Chinese Academy of Sciences,
Guiyang 550002, China

Prof. Dr. Frank Riedel

Institute of Geological Sciences,
Freie Universität Berlin, D-12249
Berlin, Germany

Deadline for manuscript
submissions:

25 July 2024

Message from the Guest Editors

Lakes are indispensable natural resources for humans and other organisms. 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.

Ongoing climate change is expected to accelerate hydrological cycles and thereby increase available renewable freshwater resources. This will inevitably induce fundamental variations in lake systems and their functions. In this vein, we anticipate that much more time and effort are needed to restore the health conditions of polluted lakes. Large-long-distance transregional water drainage has been proposed to mitigate lake water pollution and water shortages; however, this drainage might not only result in abrupt changes in established watershed ecosystems but also disrupt the balance of biodiversity and bioinvasion, which can lead to catastrophic ecological disasters.



mdpi.com/si/195770

Special Issue

an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology
and Environment, Centre
National de la Recherche
Scientifique (CNRS), University of
Toulouse, Campus ENSAT,
Auzeville Tolosane, France

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (*Water Science and Technology*)

Contact Us

Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/Water_MDPI)