water

an Open Access Journal by MDPI

IMPACT FACTOR 3.0

CITESCORE 6.0

Hydrophysical Parameters and Gases in Ice-Covered Lakes

Guest Editors:

Dr. Galina Zdorovennova
Laboratory of Hydrophysics, Northern Water Problems Institute Karelian Research Centre Russian Academy of Sciences, 185030 Petrozavodsk, Russia

Prof. Dr. Irina Fedorova
Department of Geo-Ecology & Environmental Management, Institute of Earth Sciences, Saint-Petersburg State University, Saint-Petersburg, Russia

Prof. Dr. Irina A. Repina
Department of Atmosphere Dynamics, Institute of Atmospheric Physics, Russian Academy of Sciences, Moscow, Russia

Deadline for manuscript submissions:
closed (30 June 2023)

Message from the Guest Editors

Climate warming is changing the physical regime of seasonally frozen lakes, especially the duration of freeze-up, water temperature, mixing regime and gas regime. These factors have a significant impact on the functioning of aquatic ecosystems in the annual cycle. Despite the increased interest in the winter period, we still know very little about how hydrophysical processes and ecological cycles in ice-covered lakes are changing as the climate warms. It is extremely important to fill this gap in order to understand the prospects for the development of aquatic ecosystems in the new conditions.

The main purpose of this Special Issue is to attract articles devoted to assessments of changes in the thermohydrodynamics and gas regimes of ice-covered lakes against the backdrop of climate warming.

The general topics of this Special Issue of *Water* are as follows[…]

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/water/special_issues/ice_lake

water

IMPACT FACTOR 3.0

CITESCORE 6.0

an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, 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 (Aquatic Science)

Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/water
water@mdpi.com
𝕏@Water_MDPI