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Global Change Effects on Water Level and Salinity: Causes and Effects

Guest Editors:

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Deadline for manuscript submissions:
closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

The temperature and precipitation patterns are predicted to change markedly worldwide as a result of global change. These changes will lead to water level changes and the salinization of inland waters in the dry climate zones, while waters in areas with higher future precipitation or those affected by runoff from melting glaciers may show the reverse pattern. Global warming also leads to rising sea levels and thus coastal seawater intrusions, further accelerated by an expected higher frequency and duration of extreme storms. However, little is known about the effect of changes in water level and salinity and their temporal variation on inland water ecosystems. To gain more insight into this field of research, we invite studies of water level and salinity effects on inland water ecosystems in all climate zones to this Special Issue. Results from experiments, time-series and space-for-time analysis, palaeoecological studies, meta-analyses and modelling are all welcomed.

For more details, please find at:
https://www.mdpi.com/journal/water/special_issues/water_level_salinity

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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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