Special Issue

Lake Eutrophication: Causes, Monitoring and Restoration

Message from the Guest Editors

Eutrophication of surface water bodies is a phenomenon that significantly affects the condition of surface waters and the possibility of their use by humans. At present, climate change is a factor causing disturbances in the previously recognized mechanisms of lake functioning. Many methods of counteracting the progressive eutrophication have been developed, but the response of ecosystems to the activities carried out may still differ from the assumed effects, as a result of the changing environment and climate. Therefore, there is a constant need to analyze the phenomenon of eutrophication, the impact of climate change on water bodies, as well as to develop new solutions and improve the technical measures taken, both those carried out directly in the lake basin, as well as protective measures in the catchment area. Threats to aquatic ecosystems, in particular new types of water pollution, represent a challenge that future generations will also face. In this Special Issue, we invite authors to share their research on wide range lake ecosystem functioning, monitoring and the results of their actions in lake renovation.

Guest Editors

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Prof. Dr. Jolanta Grochowska

Prof. Dr. Hanna Siwek

Deadline for manuscript submissions

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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.

Editor-in-Chief

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