Special Issue

Impacts of Climate Change and Human Activities on Wetland Hydrology

Message from the Guest Editor

This Special Issue is predominantly concerned with recent advances linked to the assessment of impacts of both climate change and human activities on wetland systems, including hydrology and pollution. As climate change becomes a major challenge for many regions, wetlands are some of the first natural systems that suffer from a lack of water during dry periods. The aim of this Special Issue is therefore to find practical solutions, such as an improved water table management, to prevent wetlands from further degradation and support both society and industry with water in a sustainable manner. In order to support the aim of this Issue, the following key themes are proposed: (a) the identification and assessment of climate change on wetlands, including constructed wetlands and peatlands; (b) the control of and reduction in human activities, such as irrigation in the agricultural industry negatively impacting wetland hydrology; (c) water table management of wetland systems; (d) engineering solutions to prevent wetland degradation; and (e) the sustainable management of the hydrological cycle to optimize water usage.

Guest Editor

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Message from the Editor-in-Chief

Hydrology is the study of the waters of the Earth. *Hydrology* has close ties with hydraulics, hydrogeology and the multiple sciences that study the atmosphere, the land surface, the soil and the subsoil, and ranges from complex problems of risk, forecasting and optimization of water resources to interactions with ecological, urban, social and economic systems.
The purpose of *Hydrology* is then to provide a journal where research results and real-world problems can be presented and discussed in order to bridge the traditional gaps between the academic world and the professionals and decision makers. Therefore, *Hydrology*, invites authors to submit their original theoretical, field, experimental, and numerical studies on hydrology with strong emphasis on multidisciplinary approaches and interdisciplinary topics, which cross the typical boundaries of our science.

Editor-in-Chief

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