

Special Issue

Climate Change Impacts and Adaptation Strategies for Water Ecosystems

Message from the Guest Editors

Climate change affects all dimensions of natural and managed ecosystems. Knowledge of climate change impacts on water environment can be valuable for water resources management in agriculture, urban and industrial water supply, hydropower generation, and ecosystem maintenance. Projection of the state of the global climate system and its consequences on water environment can help managers in developing adaptive strategies and make strategic investments for integrated water resources management. Case studies carried out in natural or urban/anthropized systems are both welcome. Authors are invited to present advanced integrated research designed to face the impact of climate change on water ecosystems. Particular attention should be addressed to the provision of ecosystem services and their possible decrease due to the incoming climate change. Studies aimed at understanding the economic and social impacts of the expected ecosystem service reduction are also welcome. For this reason, contributions integrating natural sciences with economic and social disciplines are much appreciated.

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Deadline for manuscript submissions

closed (30 September 2021)



Sustainability

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Impact Factor 3.3
CiteScore 7.7



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