Special Issue

Effects of Climate and Environmental Change on Freshwater Ecosystems

Message from the Guest Editors

There is a strong impact of climate change on biodiversity and socioeconomic ecosystem services that wetlands provide to humans. Natural systems are threated also by the biological invasion of alien species favoured by climate change. The consequence is a double pressure on biodiversity through climate change and climate-change-induced land use change. Understanding how freshwater species potentially react and adapt to climate change is one of the major challenges in predicting future biodiversity trends, especially where migration and dispersion to escape stressors is hindered by high isolation and fragmentation of habitats, or by intermittent hydrological regime. In sight of this, contributions integrating the fields of ecology, toxicology and physiology at different levels of biological organization will be welcome, to give new insights on how individuals, populations, communities and ecosystems respond to multiple stressors (e.g., temporary hydrological regime, contamination by current-use and hystoric-use pesticides and emerging pollutants in water produced by snowmelt and ice melt, competition with invasive alien species, etc.), from different regions of the worlds.

Guest Editors

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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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