Special Issue

Assessing the Effects of Multiple Stressors on Aquatic Systems across Temporal and Spatial Scales: From Measurement to Management

Message from the Guest Editors

The implementation of effective management actions to promote ecological integrity and ensure the long-term provision of services for aquatic ecosystems requires a deep understanding of how multiple stressors act on biota. In turn, this knowledge depends on the ability to disentangle the complexity of multiple stressor cause–effect chains. The temporal dimension induced by future climate and land use changes poses further challenges to tackle this complexity. A key issue is how different stressors interact with each other in their effects on ecosystems. Acknowledging these important research challenges, in this Special Issue we propose to reduce the gap between science and management, by improving knowledge on the interplay among stressors across spatial and temporal scales and the consequences for the management of aquatic systems. We are interested in fundamental and applied research performed at single or multiple scales and focused on single or multiple biotic elements and stressor types. Studies that include projections under climate and land use changes, or under different management options, are especially welcome.

Guest Editors

Dr. Pedro Segurado

Dr. Paulo Branco

Prof. Dr. Maria Teresa Ferreira

Deadline for manuscript submissions

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Water
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

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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

Dr. Jean-Luc PROBST
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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