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Biological Invasions in Changing Aquatic Ecosystems: Future Perspectives

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Message from the Guest Editors

We are living in an era of unique environmental changes, including socio-economic shifts associated with the COVID-19 pandemic. Today more than ever we are suffering the impacts of global changes, among which are climate warming, habitat loss and fragmentation, cultural eutrophication, biodiversity loss, and alterations of ecosystem functioning. Making matters even more complicated, many of these individual stressors interact in often complicated and poorly understood ways. For example, aquatic systems can be simultaneously and interactively affected by climate change, watershed changes, and the introduction of invasive alien species (IAS). The impact of IAS on biodiversity and ecosystem functioning may be amplified by these global changes. Climate warming alters seasonal phenology of many species, thereby altering species interactions and creating opportunities for IAS.

We welcome articles and review papers dealing with the broader issue of biological invasions in aquatic ecosystems, including species establishment and loss, interspecific interactions, changing biogeography, management challenges, and effects of ecosystem functioning and services, both now and in the future.



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Special Issue



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Message from the Editor-in-Chief

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.

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