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Human-Induced Changes to Aquatic Communities: Monitoring and Ecological Restoration

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Message from the Guest Editors

Freshwater ecosystems have experienced intense, multiple and long-standing human pressures that have caused damage to aquatic and riparian biodiversity and contributed to their being considered one of the most threatened ecosystems in the world. The main anthropogenic impacts are caused by activities such as water overexploitation, channelization, flow regulation, riparian deforestation, etc. In the last decades, different biomonitoring schemes have been applied to detect the biological responses of aquatic and riparian communities and determine the ecological status of inland waters. Based on this information, management and restoration actions have been developed to try to reverse this environmental degradation. However, how aquatic communities respond to multiple anthropogenic impacts and especially to restoration actions is still poorly understood. This Special Issue aims to compile experiences of the biomonitoring of impacted and restored inland water ecosystems around the world to gain insight into human-induced changes to freshwater communities in a framework of global change and identify effective restoration actions to recover them.

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Message from the Editor-in-Chief

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