



Aquatic Ecosafety: Threats, Disturbances, Environmental Monitors and Bioremediation Actions

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Message from the Guest Editors

Climate change, water scarcity and pollution, biodiversity loss, chemical contamination and plastics pollutions represent nowadays the main five issues of environmental concern requiring both continuous/improved control and urgent management/remediation actions. In this regard, the use of biological systems in environmental monitoring is highly encouraged as it offers clear advantages such as 1) allowing the estimation of the integrated effects of different contaminants, 2) permitting to assess the long-term effects of peaks of disturb that are not easily detected by occasional or intermittent monitoring approaches (e.g., water quality analysis) and 3) detecting side-effects of remediation actions that are “traditionally” designed through chemical quality targets (e.g., metals concentration in sediments). The role of organisms in assessing the status of aquatic habitats is clearly recognized in the legislation. This Special Issue welcomes the submission of papers reporting frontier results in identifying, detecting, monitoring, controlling and preventing the effects of different threats and disturbs to aquatic ecosystems.





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Message from the Editor-in-Chief

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