



Biomonitoring of Aquatic Systems

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Message from the Guest Editors

Dear Colleagues,

Aquatic biomonitoring is important in assessing the health of marine and freshwater life forms and the functioning of ecosystems they are living in. Aquatic biomonitoring reveals the overall health and status of the environment, detects environmental trends, shows how different sources of pollution or stressors will affect those trends, and predicts risks of natural and man-made activities on aquatic systems, their biota and environment. Stressors can be physical, chemical or biological. They can provide a major impact not only on aquatic but also on land and atmospheric systems since these are connected. Aquatic biomonitoring considers different levels of integration, such as ecosystems, communities, populations, individuals, and the subcellular levels of molecular omics-approaches. In this Special Issue, we are covering all challenges in aquatic biomonitoring such as transdisciplinary approaches, contributions for reliable risk assessments, and those covering socioecological data at the interface of environmental and public health.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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