Special Issue

Biomonitoring of Aquatic Systems II

Message from the Guest Editors

Aquatic biomonitoring is important in assessing the health of freshwater and marine environments and their biota and the functioning of aquatic ecosystems. Aquatic biomonitoring reveals the overall health and status of the environment, shows how different sources of pollution or stressors will affect those trends, detects environmental trends, and predicts risks of natural and human-made activities on aquatic systems, their biota, and the environment. Stressors can be physical, chemical, or biological. They can have 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 ecosystem, community, population, individual, 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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