

## Special Issue

# Advancements in Biomonitoring and Remediation Treatments of Pollutants in Aquatic Environments

### Message from the Guest Editor

Surface and underground aquatic ecosystems endure the effects of contamination caused by large industrial, agricultural, port activities, urbanization processes, dumping of wastes, and wastewater discharges. In recent decades, great effort has been focused on the development of unconventional monitoring tools combining chemical analysis, bioassays, and genomic technologies to obtain a complete insight into pollutants and their effects on organisms, as well as in proposing active or passive remediation treatments, including nanomaterials. Aquatic organisms of different trophic levels have diverse life strategies, metabolism pathways, and consequently, they have a different response to pollutant pressure. About 14 million chemicals are already detected and characterized, and every day, new compounds are synthesized. “Emerging” pollutants like microplastics are the subject of great interest, while others can be considered for specialized use only. Therefore, the aim of this Special Issue is to collect the most recent studies on both biomonitoring strategies and remediation activity effective in ensuring “good ecological status” of water.

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 January 2022)



## Applied Sciences

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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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### Editor-in-Chief

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