



Advances in Water Quality Monitoring and Assessment of Aquatic Toxicity

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Message from the Guest Editors

In the era of drastic climate changes and progressive water eutrophication and pollution, discussion about the value of monitoring studies in the broadly understood aquatic toxicology is strongly required. In recent decades, diverse chemicals have been widely used in agriculture, industry, and everyday life. The extensive discharge of these chemicals in aquatic environments as well as increasing production of natural aquatic toxins may strongly affect entire ecosystems and human populations. Thus, efficient methods for monitoring the quality of aquatic environments and assessing aquatic toxicity are a burning need. Due to the limited and decreasing freshwater resources, the basic research and the practical monitoring of the content and fate of toxic substances and their impact on aquatic organisms, biocenoses, and entire ecosystems, as well as human health, are necessary.

The aim of this Special Issue is to collect papers that advance the field of water quality monitoring and assessment of aquatic toxicity, in fresh-, brackish, marine, and ground waters.

Both original research papers and review papers are welcome.





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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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