



## **Biogeochemistry and Quality Assessment of Trace Elements, Carbon, and Nutrients in Aquatic Systems**

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### **Message from the Guest Editor**

Dear Colleagues,

Aquatic ecosystems are being strongly modified by the intensification of uses of drainage basins, which generates an increase in discharges of contaminants to aquatic environments, impacting ecosystem services and transferring contaminants to the ocean, threatening life under water. This complex situation is worsened in a scenario of climate change and the unsustainable utilization of natural resources. The complexity of the entangled relation among drivers of environmental impacts requires a multidisciplinary approach to understand the complete potential of threats to the renewable resources of aquatic systems, especially a full understanding of the biogeochemical processes that control the mobility, partitioning, bioavailability, and toxicity of trace elements and nutrients, in order to promote consistent environmental assessments.





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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. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

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