International Journal of
Environmental Research and Public Health

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Innovative Methods for Monitoring and Assessment of Contaminants in Aquatic Ecosystems

Guest Editors:

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Dr. Stefania Marcheggiani

Dr. Mario Carere

Dr. Tobias Licha

Deadline for manuscript submissions:
closed (30 June 2019)

Message from the Guest Editors

Dear Colleagues,

A large majority of surface and ground water bodies, which are key resources for the sustainability of the environment and for human communities, are subjected to chemical and microbiological pollution. Thus, the ability to monitor the presence of pollutants is of growing concern, requiring dedicated research activities. Nowadays, technology provides sophisticated tools (i.e., high-throughput DNA sequencing methods) for monitoring water quality.

This Special Issue is planned to present the state-of-the-art and the latest techniques and methodologies in the field of monitoring and assessment of aquatic ecosystems. Its overarching goal is to provide a framework to detect and quantify pollutants and to highlight a number of key challenges that lie ahead a correct estimation of their presence in water bodies.

keywords: assessment methods; analytical tools; aquatic ecosystems; microbiological and chemical contaminants; ecotoxicology; emerging contaminants

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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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