



## **Innovative Methods for Monitoring and Assessment of Contaminants in Aquatic Ecosystems**

Guest Editors:

**Dr. Roberto Spurio**

**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

Dr. Roberto Spurio  
Dr. Stefania Marcheggiani  
Dr. Mario Carere  
Dr. Tobias Licha  
*Guest Editors*





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Paul B. Tchounwou**

RCMI Center for Urban Health  
Disparities Research and  
Innovation, Richard Dixon  
Research Center, Morgan State  
University, 1700 E. Cold Spring  
Lane, Baltimore, MD 21251, USA

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, PubMed, MEDLINE, PMC, Embase, GEOBASE, CAPus / SciFinder, and other databases.

**Journal Rank:** CiteScore - Q1 (*Public Health, Environmental and Occupational Health*)

## Contact Us

---

International Journal of  
*Environmental Research and Public  
Health* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/ijerph](http://mdpi.com/journal/ijerph)  
[ijerph@mdpi.com](mailto:ijerph@mdpi.com)  
[X@IJERPH\\_MDPI](https://twitter.com/IJERPH_MDPI)