



Environmental Microbiology and Water Pollution Applications

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Deadline for manuscript
submissions:

closed (30 November 2023)

Message from the Guest Editor

Dear Colleagues,

Water pollution is an important environmental problem for the sustainable development of human society. A huge abundance of microorganisms with versatile functional diversity inhabit aquatic ecosystems. The microbe-driven migration and transformation of pollutants strongly affect water quality. Furthermore, some microbial species themselves cause water pollution, such as bloom-forming or toxic cyanobacteria and red-tide-associated phytoplankton or protists. The biology, ecology and applications of aquatic microorganisms have attracted interest from scientific, industrial and governmental departments. Owing to the application of many advanced techniques such as metagenomic sequencing, synthetic biology, artificial biofilms and microbial fuel cells, the knowledge about environmental microbiology has been greatly increased. This Special Issue aims to publish novel insights into links between environmental microbiology and water pollution applications.





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Editor-in-Chief

Prof. Dr. Paul R. Ward

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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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