Water Pollution and Treatment of Emerging Contaminants

Guest Editor:

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Message from the Guest Editor

Emerging contaminants (ECs) are a large class of compounds such as persistent organic pollutants (POPs), microplastics, endocrine disrupters and antibiotics etc. Toxicological data reveal that these contaminants present high ecotoxicity, long persistence and hard to be biodegradated. The worldwide detection and occurrence of ECs in various enviromental media, especially in water, have been reported. With the deepening knowledge on them, it is urgently needed to develop highly effective treatment techniques and set regulatory standards in order to solve water pollution by ECs.

The "highly effective" in highly effective treatment techniques not only represents high removal efficiency of ECs, but also exerts low or even no ecological risks during the whole treatment precess. Given this, the transformation behaviors including analysis of the removal kinetics and mechanisms, and ecological risk assessments are suggested to be considered in this special issue. Therefore, this special issue focuses on green and environmentally friendly treatment techiques of ECs. New research papers, reviews, viewpoints, case reports, and conference papers are welcome to this issue.

Special Issue

Editor-in-Chief

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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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