



Water Pollution and Treatment of Emerging Contaminants

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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 biodegraded. The worldwide detection and occurrence of ECs in various environmental 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 process. 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 techniques of ECs. New research papers, reviews, viewpoints, case reports, and conference papers are welcome to this issue.





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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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