Special Issue

Decontamination of Water and Wastewater via Advanced Oxidation Processes

Message from the Guest Editors

Advanced oxidation processes (AOPs) can be generally applied for the decontamination of water and wastewater. They are important in the effective removal of emerging contaminants, such as pharmaceuticals and personal care products (PPCPs) and other priority pollutants. AOPs can transform toxic biorecalcitrant compounds and recalcitrant wastewaters into more biodegradable byproducts. AOPs may possibly include photocatalysis (using solar radiation, LEDs), Fenton-based processes, electrochemical processes, wet air and catalytic wet peroxide oxidation and combinations with biological and membrane processes. The integration of AOPs with more established processes such as ozonation, filtration, adsorption and using renewable energy sources such as solar light can provide a major opportunity to reduce the overall effort of disinfection, water and wastewater treatment processes. Within this context, we would like to invite you to contribute to this issue and to disseminate cutting-edge findings on water and wastewater decontamination.

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Deadline for manuscript submissions

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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.

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 journal.

Editor-in-Chief

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