

Special Issue

Removal Methods for Emerging Contaminants in Wastewater

Message from the Guest Editors

The pervasive occurrence of emerging contaminants (ECs) in wastewater poses serious risks to aquatic ecosystems and human health. Conventional treatment methods often fail to remove these persistent micropollutants. Advanced oxidation processes (AOPs) offer an efficient and versatile solution by generating reactive species capable of mineralizing recalcitrant organic compounds. This Special Issue will focus on innovative removal technologies for ECs. Topics of interest include, but are not limited to, the following: homogeneous and heterogeneous AOPs (e.g., photocatalysis, Fenton, persulfate activation), hybrid systems combining AOPs with adsorption or biological treatment, and in situ chemical oxidation (ISCO) for soil and groundwater remediation. Contributions addressing degradation mechanisms, toxicity assessments of transformation products, and scale-up studies for field applications are especially welcome. The goal of this Special Issue is to advance the science and engineering of the removal of ECs from water, soil, and groundwater. Original research articles, short communications, and comprehensive reviews are invited.

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Editor-in-Chief

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