



Advanced Oxidation Processes (AOPs) in Treating Organic Pollutants

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Message from the Guest Editors

Dear Colleagues,

Advanced oxidation processes (AOPs) are crucial in modern environmental chemistry for addressing organic pollutants. These processes generate highly reactive compounds, like hydroxyl radicals, that degrade a wide range of contaminants. Key AOPs include methods such as Fenton's reaction, photocatalysis, and ozonation, as well as the use of advanced nanomaterials. These methods are essential for treating both persistent and emerging pollutants in water and wastewater.

This Special Issue of *Molecules* aims to collect cutting-edge research and comprehensive reviews on the latest advancements in AOPs. We invite contributions exploring innovative methodologies, novel catalytic materials, and optimization strategies to enhance the efficiency and selectivity of AOPs. Studies on the mechanistic understanding of degradation pathways, intermediate product identification, and toxicity reduction are particularly welcome, providing insights into the holistic impact of AOPs on environmental health and sustainability.

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Guest Editors





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Message from the Editor-in-Chief

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