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New Advanced Oxidation Process and Catalyst for Water and Wastewater Treatment

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Message from the Guest Editors

Advanced oxidation processes (AOPs) are versatile and effective for the treatment of recalcitrant pollutants in water and wastewater. Oxidants could be activated by various catalysts to generate different kinds of reactive oxygen species, which are highly effective in degrading or removing pollutants. The new AOPs and catalysts for water and wastewater treatment have been showing impressive growth in recent years.

This Special Issue aims to consider state-of-the-art manuscripts dealing with these topics, representing cutting-edge results and innovative technologies including basic scientific research as well as practical application studies. These AOPs will cover but not be limited to Fenton, photocatalysis, ozonation, and electrochemical oxidation methods for water and wastewater treatment. Studies on the synthesis and application of highly active catalytic materials for AOPs are especially encouraged. Academic and industrial views are both welcomed.

Authors with expertise in AOPs are cordially invited to submit your manuscripts to this Special Issue. Significant original papers and critical review articles are welcomed.



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Special Issue



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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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