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Advances of Photocatalytic Application in Water and Wastewater Treatment

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Message from the Guest Editors

Research efforts are being made to develop novel catalytic materials with broader light absorption to utilize the sunlight effectively. Development of the hybrid catalytic materials for the advanced hybrid oxidation of contaminants is also gaining much attention due to the enhancement in reaction kinetics. The integration of photocatalysis with other conventional or advanced processes can complement each other for catalyst recovery, improved treatment efficiency and economic viability.

This Special Issue focuses on recent progress and trends in the development of engineered-photocatalytic nanomaterials, advancements in their immobilization and supports, photocatalytic reactor configurations, process optimization, its application in the removal of persistent organic pollutants including degradation byproducts from water and wastewater (domestic and industrial) and the combination of photocatalysis with other treatment technologies. We invite manuscript submissions of original research studies or review articles encompassing the recent findings and advancements in photocatalytic advanced oxidation processes for this Special Issue in *Water*.



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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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