Special Issue

Future Directions and Opportunities of Advanced Oxidation Technologies for Water Treatment

Message from the Guest Editors

Advanced oxidation technologies (AOTs) have been widely used for drinking water or wastewater treatment. Compared with the traditional water treatment process, AOTs show high performance for water purification, especially in organic pollutants removal. Therefore, the opportunities for AOTs development are very promising. However, the practical application of AOTs is usually limited by the reaction conditions, coexisting impurities, and other factors. The challenges during AOTs application can not be overlooked. This Special Issue focuses on the future development of the AOTs and encourages revealing the underlying reaction mechanisms from new perspectives. Moreover, to overcome the technical bottlenecks of AOTs in the practical process. Besides, it is encouraged to develop more novel AOTs.

Guest Editors

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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.

Editor-in-Chief

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