Special Issue

Novel Advanced Oxidation Technology for Water Treatment

Message from the Guest Editors

The development of new water treatment technologies is of great significance for overcoming existing technical barriers in water treatment and improving the quality of water. The production of active oxide substances in the system can be significantly increased and the pollution removal efficiency can be enhanced by activating oxidants (such as hypochlorous acid, ozone, persulfate, peracetic acid, and hydrogen peroxide) through UV. Based on this, the construction of a new type of UV-coupled water treatment process to achieve efficient pollution removal deserves extensive attention. This topic focuses on the development of new catalytic systems, explores the core catalytic mechanisms, studies their pollution removal laws, and provides references for the development of water treatment technologies.

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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