Special Issue

Interfacial Adsorption and Oxidation-Based Water Purification Technology

Message from the Guest Editors

The overall focus, scope, and purpose of this Special Issue is as follows: Overall focus: catalytic elimination of environmental pollutants—including small-molecular organic acids and other macromolecular organics present in water environment. Scope: A comprehensive understanding of advanced oxidation decontamination techniques, especially for industrial applications. All aspects of the design, preparation, characterization, and regeneration of various green and novel catalysts, which can be derived from biomass, transition metals, etc. In particular, the conversion of environmental waste into environmentally friendly catalysts for renewable use is encouraged. Scientific insight into the degradation paths of pollutants and the application of interfacial catalytic oxidation processes in solving environmental challenges are also encouraged. Purpose: Use a variety of practical technologies to solve existing environmental pollution problems. The combination of adsorption separation and oxidation technology for the efficient removal of macromolecular organic micropollutants is highly regarded.

Guest Editors

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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.

Editor-in-Chief

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