

Special Issue

Advanced Oxidation Technologies in Industrial Wastewater Treatment

Message from the Guest Editors

Water scarcity is pushing man-kind to focus efforts on reducing the impact of industry over natural water courses., the final goal should be water recovery within the process. Industrial wastewater complexity implies the use of innovative and more-efficient treatment technologies. In this context, advanced oxidation processes may have an important role. Moreover, process integration is usually required to accomplish more-and-more restrict environmental legislation. Thus, advanced oxidation processes may be integrated with traditional biological systems, or even membrane processes. An important issue is the potential impact of treated effluents (since total mineralization is usually not achieved) on ecosystems and human health. Thus, the processes of optimization must bear in mind the evolution of the toxicological characteristics of wastewater during treatment. The aim of this Special Issue is to gather innovative works dealing with the application of advanced oxidation processes for industrial wastewater treatment and detoxification. Research dealing with pollutants and pathogen removal from wastewater are also welcome.

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

Dr. Jean-Luc PROBST

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