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Advanced Oxidation Technologies in Industrial Wastewater Treatment

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Message from the Guest Editors

Water scarcety 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.

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Message from the Editor-in-Chief

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