Special Issue

Advanced Oxidation Treatment of Refractory Polluted Wastewaters

Message from the Guest Editor

Advanced oxidation processes are suitable technologies for treatment of these recalcitrant pollutants, since powerful hydroxyl or sulfate radicals as major oxidizing agents are used. This Special Issue aims to cover the most recent progress and advances in the field of advanced oxidation processes focused on the treatment of refractory wastewaters. This includes but is not limited to activated persulfate, cavitation, electrochemical oxidation, ozonation, photocatalysis, Fenton-based processes, wet air oxidation, and supercritical oxidation and wet peroxide oxidation. This Special Issue also welcomes submissions on novel catalytic materials, hybrid treatment (combination of physicochemical treatments), pilot-scale studies, simulation of wastewater treatment, and assessment of toxicity of treated wastewaters.

Keywords:

- Advanced oxidation processes
- Catalysis
- Nanomaterials
- Non-supported catalysts
- Refractory pollutants
- Supported catalysts
- Toxicity
- Wastewaters

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