Special Issue

Advanced Chemical Technologies for Organic Pollutant Treatment

Message from the Guest Editor

Research in recent decades has shown the contamination of many water, soil, and air environments by anthropogenic organic compounds due to waste gas and wastewater discharge and inappropriate waste disposal. The effective removal of various organic pollutants is a major challenge in water, soil, and air treatment. Advanced chemical technologies (ACTs) have been considered a promising option because the highly reactive radicals such as hydroxyl, sulfate, chlorine, and carbon-centered radicals generated in ACTs can effectively oxidize a broad range of organic pollutants. This Special Issue will focus on studies on the mechanistic understanding, development, and implementation of ACTs for the removal of organic pollutants in water, soil, and air treatment, including ozone-, H2O2-, persulfate-, and peracetic acid-based ACTs, electricity-driven ACTs, and photocatalytic ACTs. Research areas may include (but are not limited to) the following:

- Chemical oxidation;
- Fenton-like;
- Ozone;
- Hydrogen peroxide;
- Persulfate;
- Peracetic acid;
- Electrochemical oxidation;
- Photocatalysis;
- Organic contaminants.

Guest Editor

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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