Special Issue

Addressing Environmental Issues with Advanced Oxidation Technologies

Message from the Guest Editors

Widely used compounds, such as pharmaceuticals, surfactants, personal care products, etc., cannot be properly treated by conventional wastewater treatment plants and are increasingly entering the environment. Thus, there is an urgent need to develop effective and sustainable treatment technologies to remove these recalcitrant pollutants and improve water quality. This Special Issue seeks high-quality research and review articles that explore the use of Advanced Oxidation Technologies (AOTs) to address environmental issues. Topics of interest include, but are not limited to, the following:

- Applications of AOTs for wastewater treatment;
- Removal of organic and inorganic pollutants using AOTs;
- Improvements in the efficiency of AOTs;
- Modelling and optimization of Advanced Oxidation Processes;
- Innovative reactor design and operation to intensify Advanced Oxidation Processes;
- Economic and environmental aspects of AOTs;
- Advances in electrochemical oxidation, cavitation, photocatalysis, ozone-based, Fenton-based, and related technologies.

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