Special Issue

Advanced Oxidation Processes (AOPs) for Resource Recovery and Disinfection Byproduct Control

Message from the Guest Editor

Resource recovery represents the ultimate objective of water treatment and serves as a crucial component in achieving a circular economy. Additionally, disinfection byproduct control poses significant challenges in the field of water treatment. In recent years, advanced oxidation processes (AOPs) have achieved significant development in both resource recovery and disinfection byproduct control.

This Special Issue solicits contributions covering, but not limited to, cutting-edge research on AOPs in the following areas:

1. Heavy metal recovery from wastewater;
2. Hydrogen production from seawater;
3. In situ groundwater treatment;
4. Control of nitrogenous disinfection byproducts;
5. Control of halogenated disinfection byproducts.

The AOPs involved include ozone oxidation, photocatalytic oxidation, UV activation technology, catalytic membrane technology, electrochemical oxidation, and so on.

Guest Editor

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Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

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