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Application of Advanced Oxidation Technology in Wastewater Purification

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Message from the Guest Editors

Dear Colleagues,

Ensuring the protection and sustainable utilization of water resources is paramount for meeting the needs of present and future generations, while also upholding political stability at both national and regional levels. A robust water policy must strive to maintain an adequate supply of high-quality water for both human consumption and environmental preservation. Our priority lies in the pursuit of innovative solutions that are not only cost-effective and economically viable but also environmentally sustainable. This Special Issue seeks to spotlight advancements in semiconductor materials, encompassing powders, and thin films, along with their processing, characterization, and diverse applications across various fields.

We are especially interested in research studies focusing on “reagent-free, waste-free” advanced oxidation processes, which hold promise for effective pollutant removal while minimizing environmental impact.

We invite researchers to contribute their insights and findings to this Special Issue, fostering collaborative efforts towards sustainable water management and environmental stewardship

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Message from the Editor-in-Chief

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.

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