

Special Issue

Photocatalytic Oxidation and Advanced Oxidation Processes for Sustainable Water Treatment

Message from the Guest Editors

We invite you to contribute to the upcoming Special Issue titled "Photocatalytic Oxidation and Advanced Oxidation Processes for Sustainable Water Treatment", to be published in *Separations*.

With increasing concern over emerging contaminants and persistent organic pollutants in water bodies, advanced oxidation processes (AOPs) have gained significant attention as powerful and sustainable treatment technologies. Among them, photocatalytic oxidation stands out due to its ability to harness light energy, particularly solar irradiation, for generating reactive species capable of mineralizing complex pollutants.

This Special Issue will highlight recent advances in photocatalytic materials, mechanisms of degradation, light-driven reactor systems, and real-world applications in water and wastewater treatment. We especially welcome contributions that explore visible-light-responsive photocatalysts, hybrid AOP systems, nanostructured materials, and integrated photocatalytic membranes.

We invite original research, reviews, and short communications that contribute to the development of green and efficient water purification technologies.

We look forward to receiving your valuable contribution.

Guest Editors

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Deadline for manuscript submissions

20 April 2026



Separations

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Impact Factor 2.7
CiteScore 4.5



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About the Journal

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.

Editor-in-Chief

Prof. Dr. Frank L. Dorman

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