

## Special Issue

# High-Efficiency Catalyst Preparation and Application in Environmental Purification

### Message from the Guest Editor

Catalytic technology has undoubtedly led the scientific advancement of catalysts and catalytic processes over the past few decades. Inside, catalysis in chemical oxidation/AOPs plays an important role by degrading contaminants, ideally into carbon dioxide and water, without additional waste or byproducts. Thus, this process has promise as a technology to improve catalytic oxidation performance and shorten reaction times owing to its high efficiency and versatility, simplicity, and environmental compatibility. Therefore, it is my pleasure to invite you to contribute your research work to this upcoming Special Issue of *Separations*, entitled “High-Efficiency Catalyst Preparation and Application in Environmental Purification” and dedicated to highlighting promising recent research and novel trends in the application of catalysts in chemical oxidation/AOPs for environmental purification (mainly for water or wastewater). Areas within the scope of this include but are not limited to, the design, discovery and preparation of novel catalysts, catalytic technologies for organic removal, as well as the deep exploration of the mechanism of catalysis.

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### Guest Editor

Dr. Yin Xu

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### Deadline for manuscript submissions

closed (10 December 2023)



## Separations

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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.

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### Editor-in-Chief

Prof. Dr. Frank L. Dorman  
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