Special Issue

Removal of Volatile Organic Compounds by Adsorption/Catalytic Methods

Message from the Guest Editors

Water pollution has many sources, with organic compounds being the main pollutants. Large quantities of these compounds, including volatile organic compounds (VOCs) such as phenols, are discharged untreated into waterways, harming aquatic ecosystems. VOCs originate from industrial applications such as refrigerants, solvents, and reagents. Tackling organic pollution remains a challenge for scientists and policy makers, leading to the development of various wastewater treatment technologies that focus on the recovery of pollutants. These include catalytic oxidation, biodegradation, electrochemical oxidation, liquid–liquid extraction, adsorption, and membrane filtration. This Special Issue focuses on VOC removal by catalytic oxidation and adsorption. We welcome original articles, reviews, and case studies on topics such as the following:

- Adsorption of organic compounds on natural materials;
- VOC adsorption on composite materials;
- VOC adsorption on synthetic materials;
- Catalytic VOC removal;
- VOC removal in mixtures.

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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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