Special Issue

Advanced Functional Materials for Wastewater Treatment and Purification

Message from the Guest Editors

The world's water supplies have been contaminated due to large effluents containing toxic pollutants from agricultural, industrial, and municipal resources into water streams. Amongst various wastewater treatment approaches, adsorption is considered as one of the most cost-effective methods, and it also has witnessed continuous development in the case of the advancements in novel materials as adsorbents. The breakthrough of materials science and engineering provides innovative solutions to adsorption and separation technology, and this can be addressed through material synthesis (i.e., metal-organic frameworks, low-dimensional materials, hydrogels/aerogels, composite materials, etc.) and rational structure design (i.e., surface modification, elemental doping, structural functionalization, etc.). Hence, this special issue is aiming to cover the latest research progress in the synthesis, characterizations and applications of advanced materials for adsorption and separation related to wastewater treatments and purifications. We look forward to receiving your contributions from all over the world.

Guest Editors

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Deadline for manuscript submissions

closed (20 December 2024)

Separations

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Impact Factor 2.7
CiteScore 4.5

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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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