Special Issue

Adsorption Methods for Environmental Purification

Message from the Guest Editors

This Special Issue is dedicated to exploring recent advances in adsorption technologies for environmental purification. It aims to gather cutting-edge research on the development and optimization of adsorbent materials, including natural, synthetic, and nanostructured materials, as well as innovative adsorption processes and systems. Key objectives of this Special Issue include the following:

- Investigating novel adsorbents with enhanced capacity, selectivity, and regeneration properties;
- Exploring the application of adsorption for the removal of a wide range of contaminants from air, water, and soil;
- Advancing the understanding of adsorption mechanisms and kinetics;
- Highlighting the role of adsorption in integrated water and waste management systems;
- Promoting sustainability through the development of eco-friendly and low-cost adsorbents, such as agricultural waste-based materials or bioadsorbents.

We welcome original research articles, reviews, and case studies that address these topics, contributing to both the fundamental understanding and practical applications of adsorption in environmental purification.

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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.

Editor-in-Chief

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