Special Issue

Application of Advanced Materials and Technologies in the Separation and Adsorption

Message from the Guest Editor

The application of advanced materials and technologies in the fields of separation and adsorption is garnering significant attention in contemporary research. The selection of appropriate materials and technologies is critical to optimizing separation efficiency and adsorption capacity while minimizing the co-adsorption of unwanted substances. Techniques play a vital role in evaluating the effectiveness of these processes and ensuring the purity and functionality of the separated compounds for various industrial and environmental applications. Thus, I am pleased to invite you to contribute your research article, communication, or review to this Special Issue dedicated to the application of advanced materials and technologies in separation and adsorption. This Special Issue will gather innovative research on materials and techniques that enhance the separation and adsorption of target compounds. Your contribution will help to advance our understanding of these crucial processes and promote the development of sustainable and high-performance materials and technologies.

Guest Editor

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Deadline for manuscript submissions

10 September 2025

Separations

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 4.5

mdpi.com/si/210357

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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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