



Applications of Porous Materials in Adsorption

Guest Editor:

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Message from the Guest Editor

Porous materials are a variety of materials that have a porous structure, large surface area, rich porosity, and rich functional groups. They have been widely used in adsorbents for pollutant removal, the storage of CO₂ and H₂, medicine extraction, and enrichment due to their unique pore characteristics. With the development of material synthesis, more and more porous materials have been developed, including molecular sieves, porous carbons, metal-organic frameworks, porous resins, covalent organic frameworks, porous metal oxides, and porous composites, and so on.

This Special Issue of *Separations*, “Applications of Porous Materials in Adsorption”, is focused on the most recent advances made and studies carried out in the past few years on the synthesis and characterization of various porous materials and their applications in adsorption for different pollutants and gas storage. Research works, review documents, or communications that cover these new concepts, current challenges, and strategies for the synthesis of various porous materials in adsorption applications are welcome. We encourage you to submit your papers for this Special Issue of *Separations*.





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Message from the Editor-in-Chief

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