



Adsorption on Carbon-Based Materials

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Message from the Guest Editors

Dear Colleagues,

Polluted streams, both in gas and liquid phase, constitute a potential menace for the environment and living organisms. Among the different technologies available for the purification of streams, adsorption is still one of the most widely used due to its simplicity, low cost, and high efficiency for the removal of a wide variety of hazardous pollutants.

Among the different types of adsorbents, carbon-based materials are probably the most extensively researched owing to their unique and tunable characteristics. This Special Issue is focused on the use of any type of carbon materials for adsorption applications. This includes the analysis of the adsorption behavior of chars, activated carbons, template-derived carbon, carbon aerogels, graphene, and carbon nanotubes, among many others. Both liquid- and gas-phase adsorption studies have a place in this Special Issue. Kinetic, equilibrium, and dynamic adsorption tests on any type of pollutant on carbon-based adsorbents are welcome.

