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Recent Study for Adsorption Properties and Applications

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

In recent decades, adsorption has gained an important place among separation processes. Some of the advantages of adsorption are: effectiveness even at low adsorbate concentration, selectivity, regenerability, and cost-efficiency. The scope of this Special Issue is to present new trends in the theoretical, fundamental and application research on the adsorption process, new materials designed for this purpose or new synthesis techniques developed for adsorbents.

This Special Issue will be focused on but not limited to:

New materials designed for adsorption;
New synthesis techniques utilized for adsorbents;
Applications of the adsorption process in gas–solid and liquid–solid separation.

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Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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