



## Adsorption Performance of Hybrid Materials and Composites

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Deadline for manuscript  
submissions:

**closed (20 November 2023)**

### Message from the Guest Editor

Dear Colleagues,

Research on materials consisting of two or more phases has developed rapidly in recent decades. Composites and hybrid materials have been investigated worldwide.

In view of this, we inaugurate this new Special Issue of *Coatings*. Contributions will cover research on the adsorption performance of composites and hybrid materials, where coating plays the main role in adsorption.

The scope of this Special Issue will serve as a forum for papers on the following topics:

- Theoretical and experimental research, knowledge, and new ideas in the adsorption performance of hybrid materials and composites.
- Recent developments in surface engineering of silica-coated or carbon-coated metallic nanoparticles for application in adsorption.
- Recent developments in the chemical vapor deposition of materials onto a wide range of supports for adsorption.
- The application of core-shell composites in the removal of a variety of contaminants.
- Chemical functionalization of the surface of composites and nanocomposites to develop adsorption performance.
- Application of graphitic carbon nitride-coated materials in the adsorptive removal of inorganic ions.





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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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