



Organic Polymer Functional Adsorption Materials

Guest Editor:

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Deadline for manuscript
submissions:

25 May 2024

Message from the Guest Editor

Dear Colleagues,

The term ‘adsorptive polymer materials’ mainly refers to polymer materials that have selective affinity for specific ions or molecules. According to the source, they are divided into natural polymer-based adsorption materials and synthetic polymer-based adsorption materials. Natural polymers have certain adsorption functions and objective processability. Synthetic polymer adsorption materials mostly include water-absorbing resins, chelating resins, adsorption resins, ion-exchange resins, etc. As part of the development of molecular design technology, scholars are studying adsorption materials with higher selectivity, high adsorption capacity and a fast adsorption rate. Porous polymer materials have certain adsorption and support properties, and its unsaturated bond also offers good processing and functionalization. Organic polymer functional adsorption materials play an irreplaceable role in the removal of wastewaters (effluents) from various pollutants or the binding/capture of environmental gases.

This Special Issue aims to compile the original and cutting-edge research results of organic polymer functional adsorption materials.





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Message from the Editor-in-Chief

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