



Synthesis and Characterization of Imprinted Sorbents

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Message from the Guest Editor

Here, the solid-phase extraction is the most frequently used technique. However, the low selectivity of commercial sorbents has limited its practical application. The attractive alternatives are molecularly imprinted polymers, which are recognized as selective sorbents because of their synthetic process, proceeding in the presence of the template molecule. Various synthetic approaches can produce imprinted sorbents in different formats, such as bulk materials, monoliths, core-shell microspheres, magnetic sorbents, and various nanostructured materials. Their plethora of formats together with their high selectivity and durability, resulted in the unprecedented development of imprinted sorbents, revealing their potential in the sample separation techniques. Along with synthesis, the comprehensive characterization of the morphology, composition, and structure of imprinted sorbents is required before final application.





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