Special Issue

Nanomaterials-Based Sample Pretreatment

Message from the Guest Editor

The sample pretreatment technique is a critical analytical method that plays an important role in the analysis of complex samples, such as environmental analysis, food safety analysis, and biological analysis. With the development of nanotechnology, the sample pretreatment method using nanoparticles as sorbent has received considerable attention in recent years. Nanomaterials, including various carbon materials (such as graphene and carbon nanotubes), metal–organic frameworks (MOFs), covalent organic frameworks (COFs), and other nanobased polymeric materials, or their composites used for extraction and preconcentration in sample pretreatment, are of interest in this Special Issue. Sample pretreatment techniques, such as solid-phase extraction (SPE), dispersive solid-phase extraction (dSPE), magnetic solid-phase extraction (MSPE), solid-phase microextraction (SPME), and stir bar sorptive dispersive microextraction (SBSDME), using nanomaterials as sorbent, are also welcomed. Review articles on using nanomaterials as a sorbent in the sample pretreatment in complex matrices are also welcome.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call "nanomaterials". These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

Editor-in-Chief

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