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Novel Nanomaterials Based Bio(chemical) Separating and Analyzing Technology

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Message from the Guest Editors

Novel nanomaterials, such as nanoscale metal–organic frameworks (n-MOFs), nanolayered double hydroxides (n-LDHs), Mxenes, and polyoxometalates (PMOs) nanoparticles have been widely used in the field of biochemical analysis and separation. However, due to the potentially high preparation cost, pollution from the preparation process, unsatisfactory stability, low biocompatibility and other deficiencies of nanomaterials, it is still challenging to develop separation and analysis methods based on novel nanomaterials that can be effectively applied in practice.

This Special Issue aims to publish the manuscripts that focus on the development and application of novel nanomaterials in the field of biochemical separating and analyzing technology. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: bio-imaging; spectral analysis; electrochemical sensors; solid-phase extraction; molecular imprinting materials; in vivo analysis; nanometer sensor; new technology for separation and analysis of natural products.



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Special Issue



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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.

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