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Nanomaterials in Miniaturized Separation and Sensing Devices, Apparatuses and Installations

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Deadline for manuscript
submissions:

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Message from the Guest Editors

Dear Colleagues,

Nanomaterials and nanostructures have become indispensable in many fields: medicine, environment, transportation, agriculture, miscellaneous industry, communications and administration. With this in mind, we are dedicating a Special Issue titled Nanomaterials in miniaturized separation and sensing devices, apparatuses and installations with the aim of contributing to the involvement of nanostructures for the development and optimization of technologies, reducing the consumption of materials, energy, and personnel by improving the design of devices, appliances, and installations through miniaturizing components without reducing performance.

Contributions can be related to the miniaturization of sensors for physical, chemical, and especially biological parameters, but portable measuring and analysis devices are also of interest. Studies on the reduction of the size (based on the use of nanomaterials and nanostructures) of some machines and installations in various technical and technological fields will be highly appreciated.

See more information in: <https://www.mdpi.com/si/106928>

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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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