Special Issue

Application of Nanomaterials/Nanotechnology in Analytical Chemistry

Message from the Guest Editors

Analytical chemistry has been changing significantly over the last decades, because of the technological developments in different fields. The use of nanotechnologies in analytical chemistry is also important for answering the urgent call for environmentally friendly processes to comply with green chemistry requirements, as they allow for the development of miniaturized sample preparation methods, such as microextraction techniques; advanced solid-phase extraction materials; and the development of devices suitable for sensor and biosensor creation. The versatility and derivatization potential of nanomaterials is also fundamental for the development of new materials with an enhanced selectivity for the target analytes, with an improved clean-up efficacy, which, in turn, improves the sensitivity of the complete analytical method. In this context, the aim of the Special Issue "Application of Nanomaterials/Nanotechnology in Analytical Chemistry" is to provide a snapshot of the current state of the art in the use of nanomaterials in analytical chemistry.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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