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Applications of Biosensors in Nanotechnology

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Message from the Guest Editors

Dear Colleagues,

Biosensors are analytical tools that combine a biological element with a physicochemical detector used for chemical substances detection. It has been extremely important to advance modeling, analysis, and simulation of nanoscale devices. Food quality control, medical engineering, healthcare diagnostics, and environmental monitoring are just a few of the real-world applications for nanotechnological sensors.

This Special Issue of Applied Sciences aims to provide a platform for the publication of original high-quality research papers covering the most recent advances as well as comprehensive reviews in the field of biosensors in nanotechnology, nanomaterials for sensors, and nano-based sensors. The range of appropriate contributions is wide and it covers any type of experimental, theoretical, numerical, and computational research in the area of modeling and simulation of biosensors in nanotechnology.

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Guest Editors



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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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