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## Game Changer Nanomaterials: A New Concept for Biosensing Applications

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**Dr. Juan José García Guzmán**

Deadline for manuscript submissions:

**closed (20 December 2022)**

### Message from the Guest Editors

The relentless research in nanomaterials is expanding almost every field of science. Biosensing is not an exception, and a multitude of papers have been published on this topic, focusing on the improved analytical performances of the resulting brand-new sensors based on these nanomaterials. Many authors have highlighted the role of metal/metal oxide nanoparticles, nanostructured polymers, and carbon nanomaterials in the enhancement of the sensitivity and limit of detection. Interestingly, the synergistic effect that these nanomaterials provide to biological recognition elements such as enzymes has also attracted attention. On the other hand, other nanostructured materials have entirely replaced these biological species, bringing selectivity and avoiding the main demerits of enzyme-based biosensors. This Special Issue aims to collect novel and interesting new approaches of nanomaterials being applied in the biosensing field. Importantly, due to new research paths, not only will biosensors be considered, but also nanomaterials-based sensors that may compete with the classical idea of biosensors.



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# Special Issue



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## Message from the Editor-in-Chief

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