



## Electrochemical Nanobiosensors

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Deadline for manuscript  
submissions:

**closed (30 October 2019)**

### Message from the Guest Editor

Investigations on nanomaterials have increased rapidly in recent years due to their size and shape-dependent physical, chemical and electrochemical properties, which make them extremely useful in sensing and biosensing applications. The size and the composition of nanostructured materials are advantageous over the corresponding bulk structure because a target binding event (i.e., DNA hybridization, immunoreaction or aptamer recognition) involving nanomaterials can have a significant effect on its electrochemical properties (revealed through voltammetric, potentiometric, conductometric or impedimetric measurements), offering novel options for bioanalysis.

The aim of this Special Issue is to focus on the most recent strategies and developments in this field. Papers should address the use of innovative nanomaterials and/or the study and application of novel electrical/electrochemical properties and/or signal amplification capabilities of such materials in the development of biosensors. Metallic/semiconductor nanoparticles, nanoporous platforms and 2D materials are among the cutting-edge nanomaterials expected to be explored in this Special Issue.





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## Message from the Editor-in-Chief

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