



Ultrasmall Metal Nanoclusters: Functionalization and Biomedical Applications

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Message from the Guest Editor

In recent years, a sub-genre of noble metal nanoparticles with core sizes of less than 2 nm, also known as nanoclusters (NCs), have attracted substantial attraction because of their unique molecular like properties such as HOMO-LUMO transition, quantized charging, chirality, and photoluminescence. These unique properties, together with their low toxicity, ultra-fine size, and good biocompatibility, have made these NCs an ideal class of functional nanomaterials for applications in the biomedical field. In view of the increasing research interest in this topic, in this Special Issue of *Biosensors*, we invite articles related to the synthesis, characterization, and functionalization of metal NCs for the detection of biomolecules and toxic chemicals with potential applications in diagnosis and environmental monitoring. Review articles should emphasize detection mechanisms, especially for NC-based bio-sensing applications. Original research articles and reviews with potential relevance to NC-based biomedical applications (imaging and therapy) are also welcome.





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Message from the Editor-in-Chief

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Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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