

Special Issue

Noble Metal Nanoparticle-Based Nanoplatforms for Biosensors

Message from the Guest Editors

Noble metal nanoparticles, particularly gold, silver, and platinum nanoparticles, are widely employed in diagnosis due to their unique optical and catalytic properties. The customizability of noble metal nanoparticles via mechanisms including aggregation/dispersion and etching endows them with the capability to quantitatively detect analytes from physiological fluids for point-of-care diagnosis of various diseases. This Special Issue is devoted to recent advancements in noble metal nanoparticles, which address the challenge of diagnostic agents. We invite up-to-date manuscripts in engineering and fabrication of noble metal nanoparticles for biomedical applications. This issue will showcase recent developments in chemistry to prepare and modify different noble metal nanoparticles and highlight emerging biosensors.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2024)



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About the Journal

Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. 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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