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Advances in Plasmonic and Nanoplasmonic Biosensors and Their Applications

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Deadline for manuscript
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Message from the Guest Editor

Dear Colleagues,

The aim of this Special Issue is to highlight novel plasmonic biosensing configurations that can enhance the performance of these devices and enable their full application in biosensing. This may include the design and fabrication of new nanostructures with plasmonic properties, novel sensing arrangements that can boost their integration in lab-on-a-chip designs, and the demonstration of their potential with relevant, fully developed applications in, but not limited to, disease diagnostics, therapy monitoring, pollutant analysis, pathogen detection, and food safety.

- metallic nanostructures
- nanofabrication
- integrated plasmonic prototypes
- point-of-care designs
- surface plasmon resonance (SPR)
- localized surface plasmon resonance (LSPR)
- real sample analysis
- assay validation
- biofunctionalization strategies
- multi-analyte detection



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Special Issue



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Editor-in-Chief

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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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