

## Special Issue

# Advances in Plasmonic and Nanoplasmonic Biosensors and Their Applications

### Message from the Guest Editor

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

### Guest Editor

Dr. Maria Carmen Estévez Alberola

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### Deadline for manuscript submissions

closed (20 January 2022)



## Biosensors

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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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