

## Special Issue

# Nanomaterials-Enhanced Electrochemiluminescence Biosensors

### Message from the Guest Editor

Electrochemiluminescence (ECL) sensors have gained popularity for their high sensitivity and analytical performance. The use of nanotechnology has led to the development of various ECL biosensors that exhibit excellent performance, making them suitable for analytical chemistry, applied chemistry, environmental science and technology, agriculture technology, food analysis, medical diagnosis, and other fields. ECL biosensors can detect innumerable analytes, including heavy metal ions, mycotoxins, environmental estrogens, antibiotics, pesticide residues, veterinary drug residues, tumor markers, viruses, etc., in trace or ultra trace quantities, thanks to novel and excellent functional nanomaterials. This Biosensors Special Issue aims to publish high-quality original research papers and comprehensive reviews on the latest advances in ECL biosensors, primarily fabricated using nanotechnology and nanomaterials. Contributions on various ECL (bio)sensors based on nanomaterials, such as porous nanomaterials, MOFs nanomaterials, biomass-based nanomaterials, QDs, 2D nanomaterials, nanoarrays, and more, are welcome.

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### Guest Editor

Prof. Dr. Yong Zhang

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### Deadline for manuscript submissions

closed (30 November 2023)



## 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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### Editor-in-Chief

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