



Nanomaterials-Enhanced Electrochemiluminescence Biosensors

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Message from the Guest Editor

Dear Colleagues,

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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Message from the Editor-in-Chief

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