



Advanced Nano-Based Chemosensors and Biosensors for Detective Application

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Message from the Guest Editors

The quantitative detection of various analytes exhibits an increasing tendency toward broader application. The sensing techniques covered mostly optical and electrochemical transducers. The transducing options can function together with suitable nanomaterials to improve analytical performances, including metallic and metal oxides, carbon-based materials, metal-organic frameworks, carbon dots, nanocrystals, and photon up-converting particles. Usually, these nanomaterials can be used as supporters for the efficient immobilization of biomolecules, reporters for signal output, and modifiers for improving the surface area and enhancing the conductivity of the sensing interface. Contributions to this Special Issue should cover advances in nano-based chemosensors and biosensors for detective applications, such as electrochemistry, fluorescence, colourimetry, surface plasmon resonance and so on. The analytes include metal ions, nucleic acids, proteins, enzymes, viruses and small molecules.





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Message from the Editor-in-Chief

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