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2D Materials for Sensor and Biosensor Applications

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submissions:

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Message from the Guest Editor

Dear Colleagues,

The aim of this Special Issue is to assemble original research and reviews in the design of 2D-based materials, as well as the investigation of their structural and chemical properties for sensing and biosensing applications. This Special issue will go from the synthesis and the modification to the characterization and the application of 2D materials in sensor and biosensor fields. It will also tackle the design of different functional 2D materials with controlled chemical composition and the functionalization/modification of surfaces for the construction of sensor/biosensor devices. The design of flexible and stretchable sensors/biosensors will also be considered.

All new concepts targeting the optimization of sensor and biosensor parameters by tailoring the structural properties and surface chemistry of 2D materials in order to achieve increased sensitivity, higher selectivity, and enhanced stability will be examined.



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Special Issue



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Message from the Editor-in-Chief

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