

Special Issue

Advanced Functional Nanostructures for Chemical Sensing

Message from the Guest Editor

The continuous release of greenhouse gases, along with the emission of pollutants and toxic gases from industrial sectors, create severe health-related issues for mankind. It is of the utmost importance to detect/sense the chemicals present in the atmosphere and in the environment. In this respect, chemical sensors find immense interest as they are very helpful in providing information about the presence and concentration of chemicals. The use of nanostructured materials in chemical sensing has shown promise because of their enhanced sensing ability with excellent selectivity and very low detection limit. This has led to the development of novel, interesting, advanced functional nanomaterials with tunable physicochemical properties and high surface-to-volume ratio for the fabrication of chemical sensors. This Special Issue aims to focus on the recent advancements in the synthesis of advanced functional nanostructures and their application in chemical sensing. Accordingly, this Special Issue plans to showcase original research papers, perspectives, and review articles in areas including, but not limited to, the following.

Guest Editor

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