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## The State-of-the-Art Gas Sensor

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### Message from the Guest Editors

This Special Issue of the journal *Chemosensors* intends to highlight the emerging technologies of nanostructured chemical gas sensors and their applications, as well as aiming to present the latest technologies and methodologies developed in this interdisciplinary field of science. The following topics are welcome to this Special Issue:

- Synthesis, functionalization, and gas-sensing properties of metal oxide nanomaterials/gas sensors.
- Synthesis, functionalization, and gas-sensing properties of carbon-related nanomaterials/gas sensors.
- Synthesis, functionalization, and gas-sensing properties of organic-related nanomaterials/gas sensors.
- New chemistry and new composite sensor materials.
- Integration of gas-sensing nanomaterials onto transducers platforms.
- Theoretical calculation and simulation on gas-sensing nanomaterials/sensors.
- New applications of nanostructured gas sensors.
- Spectroscopic gas sensors (near-infrared, mid-infrared, Raman scattering and terahertz spectroscopies, etc.).
- Optical gas sensors, thermometric gas sensors, crystal microbalance gas sensors, cantilever gas sensors, field-effect gas sensors, etc.



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# Special Issue



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## Message from the Editor-in-Chief

*Chemosensors* is an international, scientific, open access journal on the science and technology of chemical sensors published by MDPI. All articles are released on the internet immediately following acceptance. The journal publishes reviews, regular research papers, and communications. The scope of Chemosensors includes:

New chemical sensors design

Electrochemical devices, potentiometric sensor, redox electrode

Optical chemical sensors

Analytical methods

Environmental monitoring

Gas detectors

electronic nose, etc.

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