

Special Issue

State-of-the-Art in Gas Sensing Technology

Message from the Guest Editors

The research community is actively working on the development of new gas sensors with enhanced performance, integrating them into sensor arrays and in-package multisensing smart systems, and applying advanced signal processing and machine learning approaches. The intention of this Special Issue is to focus on the latest advances in gas sensing technology, considering the several aspects involved in the development and implementation of these devices. Topics of interest include, but are not limited to, the following:

- Advances in gas sensor receptor-transducer units;
- New gas-sensitive materials;
- Advanced techniques for sensors and materials characterization;
- Studies enabled by sensor arrays and in-package multisensing smart systems or platforms;
- Development of Micro-electro mechanical systems (MEMS)-devices;
- Miniaturized technologies for gaseous sample pre-processing;
- Applications of A.I., machine learning and other innovative signal processing techniques;
- Applications of gas sensors in industry, agriculture, healthcare, transportation, energy, and more.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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