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# **Recent Advances in Smart Gas Sensing Technologies**

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Deadline for manuscript submissions: **closed (31 December 2023)** 

## **Message from the Guest Editors**

Nowadays, there is an increasing demand for cheap, rapid and reliable analysis of gas molecules and volatile organic compounds (VOCs) in various fields. To date, the gold standard for gas analysis has been spectroscopy-based techniques. Nevertheless, sensor-based gas sensing technologies have emerged as promising alternatives, in particular for on-site analysis and in situ monitoring, thanks to their reduced cost and better portability.

Special Issue on aims to highlight methodological and technological advances in the development of sensor-based gas sensing technologies and their applications in diverse fields (environment, food, cosmetic, medical, etc.). It will cover topics including, but not limited to, the development of novel gas sensors (olfactory biosensors, electronic nose, chemical sensors, nanosensors, optoelectronic and photonic sensors, optomechanical sensors, remote sensors, etc.); the design and synthesis of new materials for the improvement of sensor performance; the input of artificial intelligence for data treatment; the application of the developed gas sensors in diverse fields. Both original research papers and review articles are welcome.













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## **Message from the Editor-in-Chief**

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