

# Special Issue

## Thin Film Gas Sensors

### Message from the Guest Editor

Gas sensors for toxic and hazardous gases such as NO<sub>x</sub>, SO<sub>x</sub>, H<sub>2</sub>, CH<sub>4</sub>, O<sub>3</sub>, volatile organic compounds (VOCs), etc. have been of great research interest for more than 50 years. Industries, automobiles, and hospitals are only a few of the sectors where there is a great demand for fast, accurate, and relatively inexpensive gas sensing devices. The explosive growth of advanced materials with superior properties over the last decade has enhanced the performance of gas sensors. Especially in the field of conductometric gas sensors, numerous new materials such as perovskites (inorganic and/or hybrid), in addition to the well-known metal oxide semiconductors, have been introduced and are currently investigated as gas sensing elements. Furthermore, a great number of techniques have been employed in order to deposit thin film gas sensors on various rigid and flexible substrates. For more information, please visit: [mdpi.com/si/50846](https://mdpi.com/si/50846) Dr. Gagaoudakis Emmanouil

### Guest Editor

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### Deadline for manuscript submissions

closed (31 May 2023)



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*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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### Editor-in-Chief

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