

## Special Issue

# Optical Sensors for Gas Monitoring

### Message from the Guest Editors

A variety of sensing tools are playing increasingly important roles in many applications, making data collection more feasible and easier, even in unusual places. Nowadays, several sensor technologies are rapidly being developed and improved, and at the same time they are becoming less expensive, smaller, and easily portable. In this way, optical sensors demonstrate great potential for the future. Though there are several kinds of sensors available on the commercial market to detect the presence of gases (namely toxic gases, combustible gases, and VOCs) or even gas mixtures, optical gas sensors are rapidly becoming the best method for their monitoring. This upcoming Special Issue invites you to submit your manuscripts (short communications, original research experimental and theoretical papers, and review articles) regarding advances in the fundamental research and development of optical sensors for the detection of gases, including new sensor platforms and configurations, sensing mechanisms and innovative applications. For more details, please visit [here](#).

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### Guest Editors

Dr. Vanda Pereira

Dr. Marta Sofia dos Anjos Ferreira

Dr. João Micael Leça

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### Deadline for manuscript submissions

25 January 2026



## Sensors

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## About the Journal

### Message from the Editor-in-Chief

*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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