

## Special Issue

# Advanced Chemical Sensors for Industrial and Environmental Applications

### Message from the Guest Editors

The industrial sector is a major source of gas emissions, posing a challenge to the creation of a sustainable world. Gas detectors combined with advanced data analytics can accurately monitor and control gas emissions from critical industrial systems. These gas phase screening devices help to improve safety, reliability, and operation efficiency of industrial systems, aiding in meeting the global environmental and sustainability goals. Gas sensors are also becoming increasingly important in monitoring air pollution levels in various applications. There have been significant technological advances in the development of gas sensors for industrial and environmental applications in the era of the Internet of Things (IoT), artificial intelligence, and Industry 4.0. This Special Issue covers all types of gas sensors, including optical, electrical, acoustic, magnetic, thermal, and electrochemical modality-based detection relevant to industrial systems and the environment. This Special Issue covers original research articles based on experimental demonstration, theory and modeling, algorithms and data analytics, or a combination thereof, as well as review articles.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 August 2024)



## Sensors

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### 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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