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## Application of Wearable and Nearable Gas Sensors for Health and Human Environment Monitoring

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### Message from the Guest Editors

In this Special Issue, we propose to focus on detection technologies, devices, and signal processing for the dynamic measurement of gas molecules, to monitor patients over time in order to control the disease. Combining high sensitivity with high temporal resolution, measuring traces in real time, and multiplexing several gaseous biomarkers are complex technological challenges. Innovations in sensor technologies, medical device concepts, signal processing, dynamic models, and experimental validations are expected.

Keywords:

- volatilome
- exposome
- metabolome
- wearable
- nearable
- health monitoring device
- gas sensor
- dynamic modeling
- time-varying signal processing
- statistical analysis



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# Special Issue



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## Message from the Editor-in-Chief

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