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Advances in Photoacoustic Resonators and Sensors

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Deadline for manuscript submissions:
closed (25 February 2026)

Message from the Guest Editors

The photoacoustic effect is an emerging technology that has sparked significant interest in the research field since an acoustic wave can be produced simply by the incidence of light on a material or tissue. This phenomenon has been extensively investigated, not only to perform photoacoustic imaging but also to develop highly miniaturized ultrasound probes that can provide biologically meaningful information.

Photoacoustic resonators and sensors have recently branched out to various fields of application, including liquid and gas sensing for environmental monitoring, multi-gas detection, leak detection, breath sensing, homeland security, and petrochemical exploration, leading researchers to design and develop sensor architectures for on-field applications.

This Special Issue of *Sensors*, "Photoacoustic Resonators and Sensors", will focus on the design and experimental verification of new sensors based on photoacoustic spectroscopy, as well as papers that focus on their field-testing. Both reviews and original research articles will be published.

For more details, please visit here.

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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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