

Special Issue

New Frontiers in Integrated Photonics for Chemical Sensing

Message from the Guest Editor

Due to rapid developments during the last decade, photonic technology is now ready to offer very high quality of sensing results and a high volume of processed samples with a potentially dramatic drop in fabrication costs. Photonic sensing is an ever-growing research area that is relevant in a large number of important applicative fields, including medical diagnostics, environmental monitoring, industrial applications, defense, and food safety and security. Miniaturization in sensing drives the investigation of innovative architectures aimed at the development of low-cost, portable, robust, and accurate sensing systems. For this Special Issue, you are invited to submit research papers on advances in integrated photonics for communication and sensing applications. Topics of interest for this Special Issue include but are not limited to the following:

- Optical sensors and applications;
- Microwave sensors and applications;
- Smart materials, receptors, and nanostructure;
- Optical and microwave imaging;
- Nanophotonics and plasmonic;
- Biochemical sensors;
- Silicon photonics.

Best regards,

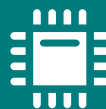
Guest Editor

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Deadline for manuscript submissions

closed (25 June 2023)



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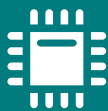


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Message from the Editor-in-Chief

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.

Editor-in-Chief

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