



New Frontiers in Integrated Photonics for Chemical Sensing

Guest Editor:

Dr. Sergio Nicoletti

Optronics and Photonics
Department, Université Grenoble
Alpes, CEA-Leti, F38054 Grenoble,
France

Deadline for manuscript
submissions:

closed (25 June 2023)

Message from the Guest Editor

Dear Colleagues,

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



mdpi.com/si/123922

Special Issue



sensors



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Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

Message from the Editor-in-Chief

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