

Special Issue

Volatile Organic Compounds Detection with Optical Fiber Sensors

Message from the Guest Editor

Many optical fiber-based sensors have been proposed in the last years to detect VOCs, and this is still a very active research field. This forthcoming Special Issue invites contributions regarding the research and development of new optical fiber sensors for the detection of VOCs, aiming at an advancement of the current state of the art. Short communications, original research experimental and theoretical papers, and review articles are welcomed for this Special Issue. These contributions can focus on, but are not limited to, the following topics:

- VOCs sensors based on new optical fiber geometries;
- Interferometric fiber sensors;
- Fiber gratings-based sensors;
- Optofluidic fiber sensors;
- Fiber sensors based on Vernier effect;
- Sensors based on whispering gallery modes;
- Detection of a single or multiple VOCs;
- Active or passive fiber sensors;
- New coating materials;
- Advanced sensing configurations.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2022)



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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

Prof. Dr. Vittorio M. N. Passaro

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