

Special Issue

Photonics-Based Sensors for Environment and Pollution Monitoring

Message from the Guest Editor

The goal of this Special Issue is to invite high-quality, state-of-the-art research papers that deal with challenging issues in photonics-based sensors for environment and pollution monitoring. We solicit original papers of unpublished and completed research that are not currently under review by any other conference/magazine/journal. Topics of interest include but are not limited to the following:

- Photonics-based sensor structures, modules, and systems employing spectral and spatial sensing mechanisms;
- Photonics-based sensing techniques relating to all aspects of environment and pollution monitoring;
- Sensing approaches that combine photonic technologies and machine learning techniques, such as image recognition;
- Remote-, satellite-, and aircraft-based sensing techniques for environmental monitoring, including Fourier-transform infrared spectroscopy (FTIR), light detection and ranging (LIDAR), and dedicated outdoor air systems (DOAS);
- Novel disruptive photonic sensing technologies, such as photonic sensors on a chip and the Internet of Things;
- Photonics-based weed/crop sensors for increased efficiency and sustainability in agriculture.

Guest Editor

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About the Journal

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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