

Special Issue

Optical Technologies for Environmental Monitoring

Message from the Guest Editor

The aim of this Special Issue is to present different optical technologies to monitor our soil, water, and air in a diverse range of architectures, sensing mechanisms, and applications. We invite manuscripts for this forthcoming Special Issue in all aspects pertinent to environmental sensors. Both reviews and original research articles are welcome. Reviews should provide an up-to-date and critical overview of state-of-the-art technologies in the following research fields applied to Optical Technologies for Environmental Monitoring:

- Aerosols monitoring to detect COVID-19 virus;
- Optical fiber sensors for COVID-19 screening;
- Physical, mechanical, and electromagnetic sensors;
- Micro plastic sensing (e.g., Raman, FTIR);
- Industrial pollution monitoring;
- Soil monitoring;
- Water monitoring;
- Lidar, Ladar remote sensing;
- Satellite remote sensing;
- Multiplexing and sensor networking;
- Distributed sensing;
- Agriculture pollution monitoring;
- Interferometric and polarimetric sensors;
- Sensor based on backscattering, absorption, fluorescence, Raman;
- New concepts for photonic sensing.

For more information, please visit [here](#).

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2020)



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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.

Editor-in-Chief

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