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## Optical Technologies for Environmental Monitoring

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Deadline for manuscript  
submissions:

**closed (31 December 2020)**

### 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.

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# Special Issue



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## Message from the Editor-in-Chief

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