



sensors



an Open Access Journal by MDPI

Advances in Optical and Laser Sensing Technologies for Environmental Applications

Guest Editor:

Dr. Kevin Cossel

National Institute of Standards and Technology, Applied Physics Division, 325 Broadway, Boulder, CO 80305, USA

Deadline for manuscript submissions:

closed (30 September 2022)

Message from the Guest Editor

Dear Colleagues,

Optical- and laser-based sensors have long been critical for environmental monitoring applications. These include a wide array of both active and passive spectroscopic techniques as well as optical readout of other sensors. Optical technologies have continued to evolve, rapidly leading to exciting prospects for new sensors.

This Special Issue focuses on state-of-the-art research in all aspects of optical and laser sensing technologies as well as their application to environmental monitoring. The goal is to highlight advances in sensors and sensing technology that help to improve the detection limit of current sensors, enable measurement of new species or parameters, decrease the size, or improve the robustness of current sensors. Submissions are encouraged from different research communities spanning physics, chemistry, environmental science, and engineering. For more information, please visit: mdpi.com/si/57492

Dr. Kevin Cossel
Guest Editor



mdpi.com/si/57492

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and
Information Engineering,
Politecnico di Bari, Via Orabona
4, 70126 Bari, Italy

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.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)