

Special Issue

State-of-the-Art Photonics and Optical Sensors

Message from the Guest Editors

Nowadays, optical and photonic devices are largely recognized due to the development of integrated sensors having low cost, small footprint and so on. Fiber-optic and photonics technologies are a well-established branch of science and technology, offering a continuous source of novelty for sensors and measurements. Having a small size, and capacity to withstand extremes of temperature and humidity etc., fiber-optic sensors have been in widespread use for many years and are becoming more and more popular. This Special Issue will explore the most advanced and recent approaches to sensing. The combination of Photonics and fiber optics offers a complete optical platform for measurement. This offers a new avenue of possibilities in localized and distributed sensing. Topic of interest include both research and reviews but are not limited to: Fiber optic sensors (Physical, chemical, biological) Fiber sensors based on LMRs, SERs, SPRs etc. Fiber interferometric sensors Integrated photonics sensors Keywords ☒ photonics sensors fiber optic sensors photonic crystal sensors

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Deadline for manuscript submissions

10 March 2026



Sensors

an Open Access Journal
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Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/221453

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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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