Special Issue

Optical Sensors and Devices

Message from the Guest Editor

Sensors are crucial for human perception and interaction, with optical sensors being particularly important due to their unique advantages. They utilize various optical properties to gather information across physical, chemical, and biological fields, enabling diverse sensing techniques and high sensitivity at frequencies over 100 terahertz (THz). Their adaptability makes them suitable for challenging environments like oceans and aerospace. Recent advancements in optoelectronic technologies and the integration of micro-electro-mechanical systems (MEMSs) have enhanced their capabilities and applications, including intelligent driving and wearable medical devices. This Special Issue invites high-quality papers on emerging technologies in optical sensors and devices, covering a range of research topics:

- Fiber laser technology;
- Gas remote sensing;
- Lidar (light detection and ranging);
- Fiber optic sensing;
- Fiber optic gyroscope;
- Fiber Bragg grating (FBG);
- Distributed fiber optic sensing (DAS, DVS, DTS, BOTDR, BOTDA, BOCDA, etc.);
- Visible light sensor;
- Cutting-edge optical sensing technology.

Guest Editor

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Deadline for manuscript submissions

31 August 2025

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Photonics

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Impact Factor 1.9
CiteScore 3.5

mdpi.com/si/212366

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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