

## Special Issue

# Optical Fiber Sensors: Recent Progress and Future Prospects

### Message from the Guest Editors

We are pleased to announce a Special Issue dealing with the latest developments in optical fiber-based sensing technology. Optical fiber sensors have been rapidly developed due to their small size, excellent sensing performance, large bandwidth, free from electromagnetic interference, environmental ruggedness, and ease of manufacturing multiplexed or distributed sensors. Recent advances in optics and photonics, biochemistry, and biology have increased the utility and demand of optical fiber sensing devices in various fields including security and defense, transportation, point-of-care diagnostics, oil and gas industries, environmental monitoring, and food production. The aim of this Special Issue is to collect scientific contributions on optical fiber-based sensing devices for a wide range of applications, and to make significant progress in the design and fabrication of novel optical fiber sensors.

- optical fiber sensors
- surface plasmon resonance
- photonic sensors
- fiber Bragg gratings (FBGs)
- long period gratings (LPGs)
- interferometric optical fiber devices
- fluorescent sensors

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### Guest Editors

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### Deadline for manuscript submissions

31 December 2025



## Photonics

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## About the Journal

### 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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### Editor-in-Chief

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