

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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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec,
CAPlus / SciFinder, and other databases.

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JCR - Q2 (Optics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 14.8 days after
submission; acceptance to publication is undertaken in 2.6
days (median values for papers published in this journal in
the first half of 2024).