

## Special Issue

# Advances and Innovations in Optical Fiber Sensors

### Message from the Guest Editors

Optical fiber sensors (OFS) are at the forefront of sensing technology due to their unique characteristics, such as their resistance to electromagnetic interference, lightweight qualities, compact size, good metrological properties, and ability to operate in harsh environments. These advantages make them a key solution in various fields, including structural health monitoring, environmental sensing, biomedical applications, biosensing, plant monitoring, and industrial automation. This Special Issue aims to showcase innovative research in OFS. Key topics include advances in fiber Bragg gratings, polymer optical fibers, distributed and interferometric sensing, and the use of novel materials to enhance sensing performance. The issue will provide a platform for researchers and engineers to share the latest technical innovations and explore emerging applications across various fields.

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### Guest Editors

Dr. Francesca De Tommasi

Dr. Elena De Vita

Dr. Rui Min

Dr. Kaiwei Li

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### Deadline for manuscript submissions

10 October 2026



## Sensors

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### 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.

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