

## Special Issue

# Fiber Bragg Gratings-Based Sensors for Optical Measurement

### Message from the Guest Editor

Fiber Bragg gratings (FBGs) and optical sensors have revolutionized the field of measurement and sensing technologies. *Sensors* invites researchers and practitioners to contribute to a Special Issue dedicated to the advancements and applications of FBGs and optical sensors in diverse domains. Scope and Topics of Interest: This Special Issue “Fiber Bragg Gratings-Based Sensors for Optical Measurement” invites original research articles, reviews, and short communications in the following areas (but not limited to):

- Design, fabrication, and characterization of FBGs;
- Novel FBG writing techniques and materials;
- FBG-based sensors for structural health monitoring;
- FBG sensors for temperature, strain, and displacement measurements;
- Optical sensing in harsh environments and extreme conditions;
- Hybrid and multiplexed FBG sensors for simultaneous measurements;
- Distributed optical fiber sensing systems;
- FBG-based sensors for biomedical and healthcare applications;
- FBG-based chemical and gas sensors;
- Real-time monitoring and data analysis techniques;
- Super-structured FBGs.

### Guest Editor

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### Deadline for manuscript submissions

25 May 2026



## Sensors

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CiteScore 8.2  
Indexed in PubMed



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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.

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