

## Special Issue

# Grating-Based Sensors: Structures and Applications

### Message from the Guest Editors

This Special Issue will focus on the current state of the art of grating-based optical sensors, covering recent technological improvements in new devices/sensors and emerging applications. The manuscripts submitted should cover, but are not limited to, the following topics:

- Physical, chemical and environmental optical sensors;
- Polarimetric sensors;
- Nano- and micro-structured optical sensors;
- Micro-structured and other special optical fibers;
- Metal organic frameworks;
- Multiplexing and sensor networking;
- Distributed sensing;
- Advances in interrogation techniques for optical sensing;
- Smart structures and sensors;
- Sensors with advanced coatings (polymers, metals, metamaterials, among others);
- Bragg gratings, long period gratings;
- Surface plasmon resonance;
- Energy efficient integrated sensing platforms;
- Integrated optics.

For more information, please visit: [mdpi.com/si/177176](https://mdpi.com/si/177176)

Dr. Marta S. Ferreira

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### Guest Editors

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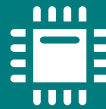
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### Deadline for manuscript submissions

closed (20 October 2024)



## Sensors

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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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### Editor-in-Chief

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