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Sensors Based on Diffraction Structures

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Message from the Guest Editor

Dear Colleagues,

Optical sensors are widely used in various research and commercial applications today. These sensors are utilized for quality and process control, medical technologies, metrology, imaging, and remote sensing and laser, imaging systems, and or/fibers. This Special Issue of *Sensors* will focus on the recent developments of optical sensors based on diffraction structures. However, the issue is open for new proposals of novel sensing principals. Review articles and original research papers based on theoretical, numerical, and experimental work addressing new and innovative applications are welcome.

Keywords:

- Biosensors
- plasmonic sensors
- resonance structures
- advanced sensing platforms
- gas sensors
- miniaturized lab-on-chip sensor designs
- diffraction structures
- surface plasmon-polariton
- vortex beam
- plasmonic lens

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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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