

Special Issue

Polymer Optical Fiber Sensor

Message from the Guest Editor

The unique physical and chemical properties of polymer optical fibers (POFs) have attracted interest for use in the production of high-performance sensors over the past few decades. There are hundreds of applications where POF technology is used, such as in structural health monitoring, sensors for biochemical analyses, civil aircraft, and healthcare and biomedicine fields. This Special Issue will concentrate on all aspects of basic and applied research related to the technology of POFs fabrication, the fabrication of the gratings in polymer fibers, and POF-based sensor technologies. I cordially invite you to participate by submitting both original research and review articles on this field. I trust that this Special Issue will provide a useful insight into the present status and future outlook of polymer optical fiber sensors.

- Polymer fiber sensor
- Sensor devices and systems
- Optical propagation in fibers
- Chemical, environmental, biological, and medical sensors
- Physical, mechanical, and electromagnetic sensors
- Fiber Bragg gratings in polymer fibers
- Long-period gratings in polymer fibers

Guest Editor

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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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