

Special Issue

Specialty Polymer Optical Fibers and Sensors

Message from the Guest Editor

This Special Issue invites contributions of both original research and review articles, which are not currently under review elsewhere in other journals or conferences, covering the following topics:

- Materials for POFs;
- Specialty POF design and structure: multi-material fiber, dual-core, multi-core, solid-core hollow-core, microstructured;
- POF fabrication methods;
- Low loss POFs;
- Post-processing POFs—etching, tapering, coating, cleaving, connectorization;
- Grating inscription in POFs;
- POF sensors: both single and multi-parameter sensors;
- POF sensing technologies and devices;
- Applications of POFs and POF sensors;
- High sensitivity POF sensors;
- Fast response time temperature and humidity POF sensors;
- Reliable and stable POF sensors;
- Long-term performance of POF grating sensors;
- Packaging of polymer fiber sensors;
- Commercialization of POF sensors.

Papers covering other topics that are relevant to the Special Issue topic are also welcome.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2021)



Sensors

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Impact Factor 3.5
CiteScore 8.2
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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.

Editor-in-Chief

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