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## Advances in Optical Fiber Sensors and Fiber Lasers

Guest Editor:

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### Message from the Guest Editor

The present Special Issue addresses the innovative design, fabrication, and application of optical fibers in sensors and fiber lasers. The Guest Editors invite contributions to this Special Issue of *Sensors* in relation, but not limited, to the following topics:

Deadline for manuscript  
submissions:

**20 July 2024**

- Novel fiber designs and fabrication;
- Mechanical and electromagnetic field fiber sensors;
- Chemical and biological fiber sensors;
- Distributed fiber sensors;
- Multi-parameter fiber sensors;
- Structural health monitoring systems based on fiber sensors;
- Microstructured optical fiber sensors;
- Fiber laser sensors;
- Novel fiber sensors for harsh environments;
- Multiplexed and networked fiber sensors;
- High-power fiber lasers;
- Pulsed fiber lasers;
- Single-frequency fiber lasers;
- Multi-line fiber lasers;
- Random fiber lasers;
- Applications of fiber lasers.



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# Special Issue



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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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