



Fiber Laser Sensors and Its Applications

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Message from the Guest Editors

Dear Colleagues,

Over the past few decades, fiber laser sensors have amply demonstrated their advantages and ability to detect and quantify the parameters of their surroundings. Despite having seen remarkable development, this technology continues to find new niche applications, significantly expanding its fields of application.

This Special Issue aims to compile review articles on recent advances, original research, applications and new challenges in the field of fiber laser sensors, thus helping the reader to understand the countless applications that this new technology can offer.

Potential topics include, but are not limited to:

- Physical, mechanical and electromagnetic sensors;
- Environmental, security, defense and industrial applications;
- Fiber laser sensor standardization;
- Sensors for smart cities and smart structures;
- Interferometric and polarimetric fiber laser sensors;
- Distributed and multiplexed fiber laser sensors;
- Multiparameter fiber laser sensors;
- Integrated photonics, quantum sensing techniques, frequency combs and precision metrology;
- New effects, technologies, elements and materials for photonic sensing.

For more details, please visit [here](https://www.mdpi.com/si/154001).





sensors



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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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