Special Issue

Microstructured Optical Sensors: Design, Fabrication and Applications

Message from the Guest Editor

This Special Issue seeks to provide a comprehensive overview of the current state-of-the-art in microstructured optical sensors. We aim to cover the following key areas:

- Innovative designs of microstructured optical sensors.
- Theoretical modeling and simulation techniques.
- Optimization of sensor performance through design innovation.
- Advanced fabrication methods such as lithography, laser writing, and 3D printing.
- Integration of microstructured sensors with other technologies and platforms.
- Challenges and solutions in the fabrication process.
- Practical applications in various fields such as healthcare, environmental science, and industrial automation.
- Case studies demonstrating successful implementations of microstructured optical sensors.
- Comparative analysis of different sensor types and their performance in real-world scenarios.
- Emerging trends in the design and use of microstructured optical sensors.
- Prospective innovations that could shape the future of optical sensing technology.
- Interdisciplinary approaches and the integration of microstructured optical sensors with other technologies.

Guest Editor

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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