Special Issue

Recent Advances in Micro- and Nanofiber-Optic Sensors

Message from the Guest Editors

Micro-/nanofibers (MNFs) with significantly reduced fiber diameters are very popular in the development of miniaturized fiber-optic sensors with high sensitivity and fast response times. A number of optical ring resonators, microfiber couplers, grating sensors, WGM sensors, and surface plasmon resonance (SPR) sensors based on MNFs have been proposed and extensively investigated. Further functionalization of the MNFs sensor structures with additional coating materials (nanomaterials, 2D materials) could significantly improve its sensing properties, allowing us to achieve high sensitivity and selectivity detection for the desired targets. For detailed information, please visit here.

Guest Editors

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Deadline for manuscript submissions

25 August 2026

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/178087

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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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