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Optical Sensors Based on Micro/Nanostructured Materials

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Deadline for manuscript submissions:

closed (1 December 2022)

Message from the Guest Editor

This Special Issue covers all topics related to the design, development, testing, and application of optical sensors based on microstructured and nanostructured materials, such as photonic crystals, photonic crystal fibers, plasmonic materials, etc. We are interested in all sorts of sensing applications, such as refractive index sensors, chemical sensors, environmental sensors (temperature, pressure, humidity), strain sensors, magnetic field sensors, etc. We are especially interested in biological sensors and their applications.

Both theoretical and experimental works will be considered, provided that they offer a significant contribution in this field. We are especially interested in research showcasing innovation, e.g., proposing a novel device/sensing principle for a specific application or field of applications. However, authors can also submit their work on substantial improvements/extensions of existing devices and/or methods, including novel applications for existing sensors.

Furthermore, review articles will also be considered, provided that they offer a comprehensive summary of the important developments in a specific field within the scope of this Special Issue.



mdpi.com/si/99964

Special Issue



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Message from the Editor-in-Chief

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